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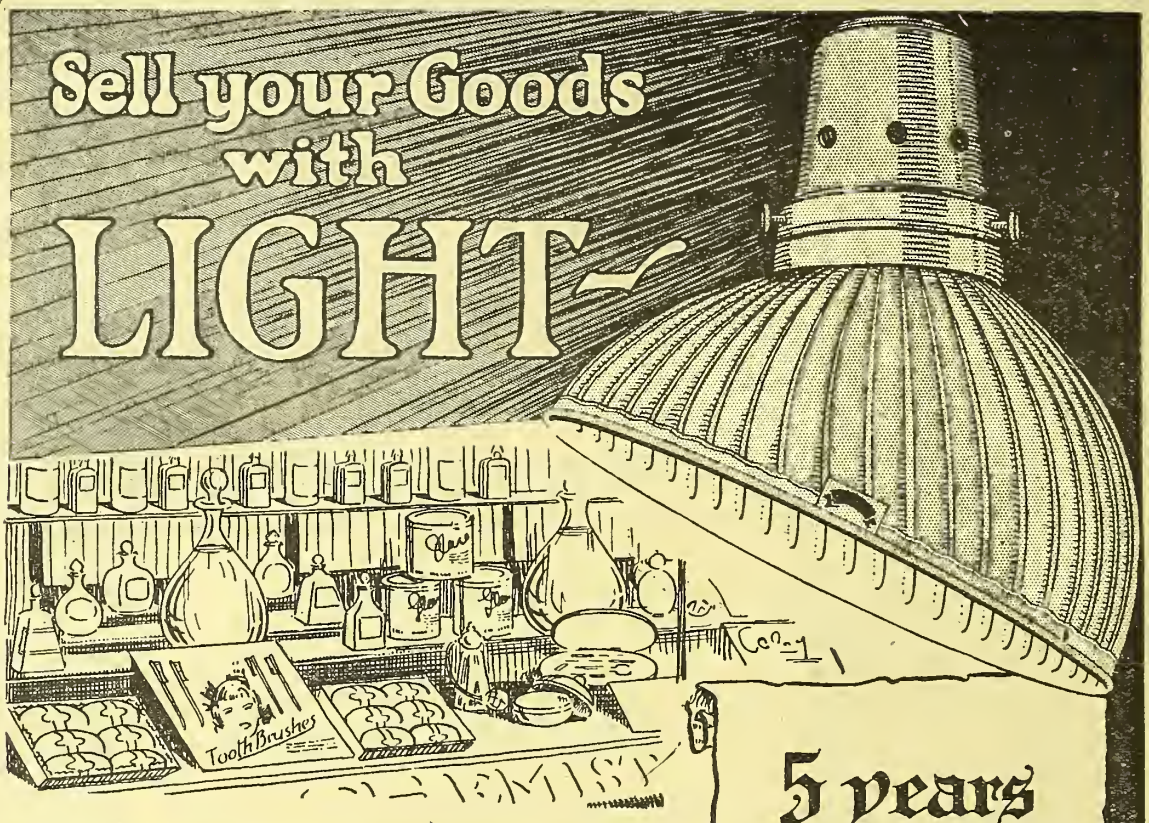
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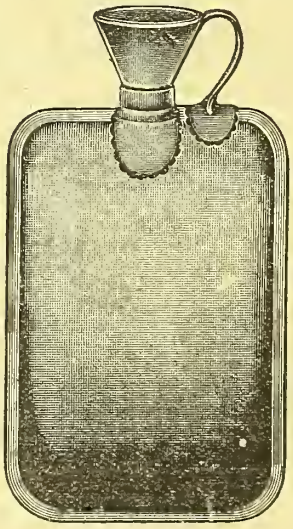
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CUPAL NEWS

No. 2. NOVEMBER 7th, 1925.



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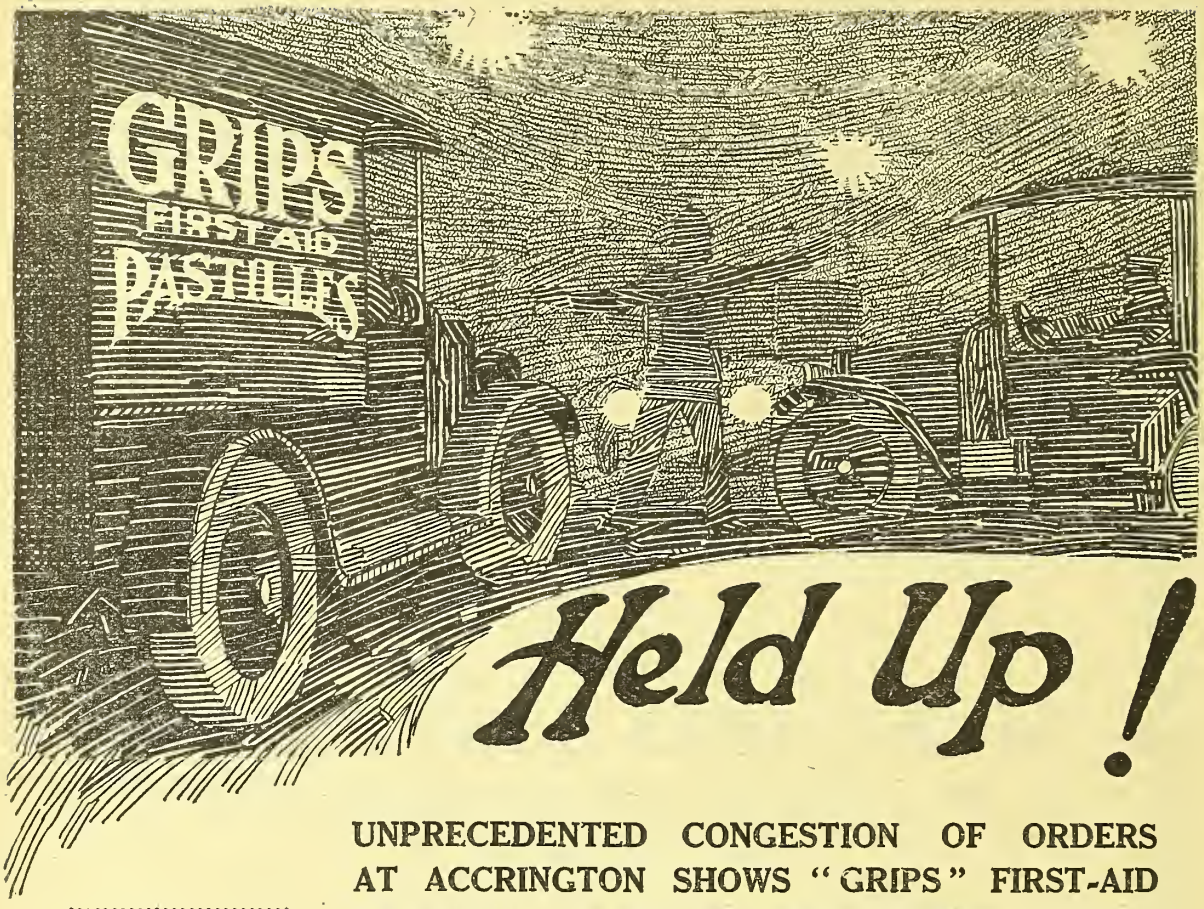
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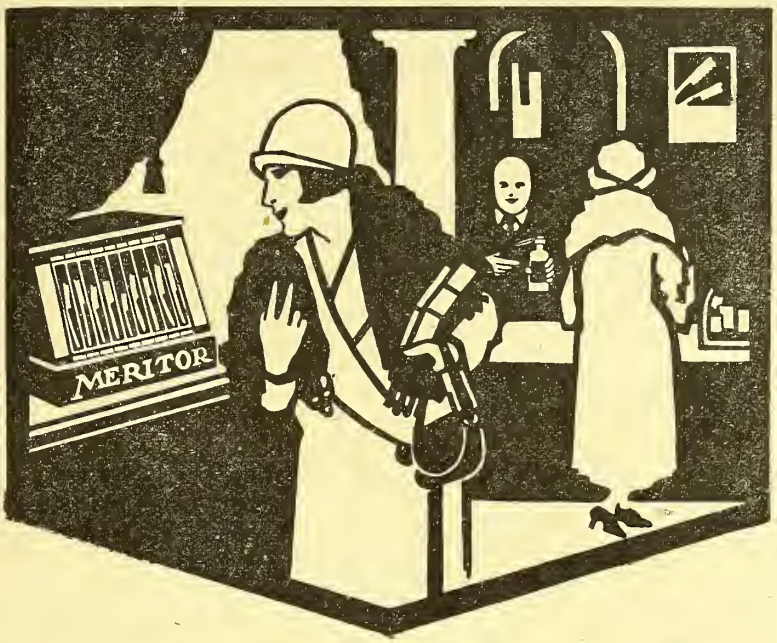
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Maw's Page



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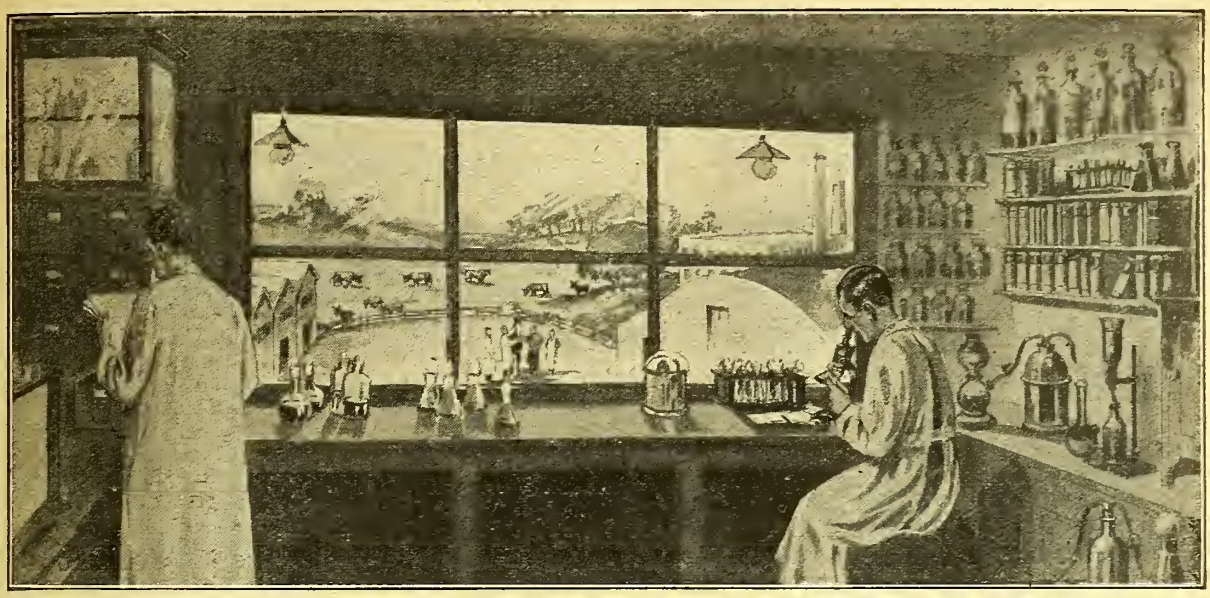
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Telephone: HOLBORN 2499, 6214, 6215 (3 lines). Telegrams: "EKDUM, LONDON."



Allwood Bros

CARNATION PERFUME

POT POURRI

CARNATION SACHETS

AND BATH CRYSTALS

are the Products of the World's Leading Carnation Specialists.

THE FINEST QUALITY—DELIGHTFULLY PACKED—LIBERAL SALES AIDS—AND AN ADEQUATE MARGIN OF PROFIT TO THE CHEMIST.

Please write for particulars and Trade Terms to

Allwood Bros

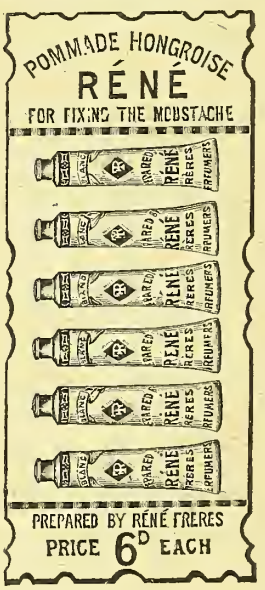
THE WORLD'S LEADING CARNATION
——RAISERS AND SPECIALISTS——

HAYWARDS HEATH, SUSSEX

RÉNÉ POMADE HONGROISE

SHOULD BE STOCKED BY ALL CHEMISTS

Sixpenny Size **3/-** per doz.



Ninepenny Size **4/-** per doz.

N. STECKLYN & SONS,

Chemists, Sundriesmen & Perfumers,

30 Dean Street, Soho, W.1. Tele. No.: Regent 3642.

17 Houndsditch, E.1. Tele. No.: Ave. 8121.

For Centuries past Bayley & Co. have enjoyed an excellent reputation for their products.

Wm. BAYLEY & Co.
41 Tower Hill
LONDON, E.1
'Phone - - Avenue 4956

DAINTY
GOOD
ATTRACTIVELY PACKED



3 Perfumes

Fusi Yama, Otto Violets and Charmeur

In Red Cases - - **32/-** doz.
Uncased - - - **28/-** doz.



MAZDA
In 3 sizes.

Miniature - - - **7/-** doz.
1 oz. (approx.) - - Boxed **24/-**
Ditto. - - Unboxed **20/-**
2 oz. (approx.) - - Boxed **40/-**
Ditto - - Unboxed **36/-**



3 Perfumes.

English Rose, Irish Violets, Scotch Heather.

Boxed - - - **40/-** doz.
Unboxed - - - **34/-** doz.



EAU de COLOGNE

1 oz. Flask Sprinkler **20/-** doz.
2, 4, and 7 oz. Plug **36/-**, **66/-** and **112/-** doz.

We have a full range of PERFUMES, SOAPS, FACE POWDERS, BRILLIANTINES, etc.

WRITE FOR LIST.



Lavender Water.
In 3 sizes.

1 oz. - - **22/-** doz.
2 oz. - - **40/-** doz.
4 oz. - - **72/-** doz.

Foot & Mouth Disease

Chemists should be prepared to meet any enquiries relating to Disinfectants, and we invite correspondence on any point. We particularly draw your attention to the fact that our

"IALINE" White Fluid Disinfectant

complies with the Regulations relating to disinfection of Cattle Trucks. We shall be pleased to send samples and prices.

BURT, BOULTON & HAYWOOD, LTD.

SALISBURY HOUSE, LONDON WALL, E.C.2.

DISINFECTANTS. TAR. AMMONIA PRODUCTS. LYSOL. NAPHTHALENE. AND DISTRIBUTORS OF PETROL.

G. W. CARNRICK CO.

ENDOCRINE PRODUCTS

PREPARED FROM FRESH GLANDS OF HEALTHY FOOD ANIMALS IN OUR OWN LABORATORY.

HORMOTONE	TRYPSOGEN
SECRETOGEN	KINAZYME
VIRILIGEN	MAMMAGEN
RYTHMIN	ERYTHROGEN

Ask for complete List of Single Gland Products and Special Formulæ

FROM ALL WHOLESALERS OR DIRECT FROM

BROOKS & WARBURTON
(A. D. S. CO.), LTD.
40 LEXINGTON STREET, LONDON, W.1.

SOUTH AFRICA:—LENNON, LTD., SIVE BROS. and KARNOVSKY, LTD.

A GREAT BOON

Long wanted

THE

"PATRIS"

Pourer-Stopper for Vacuum Flasks



A double-lipped tube of Resistant Glass, lamp-blown and annealed, with cork fittings. Takes the place of the clumsy cork and absolutely prevents the splash and dribble, and the leaking into the canister with its offensive consequences.

Large Retailer reports **"It sells splendidly"**

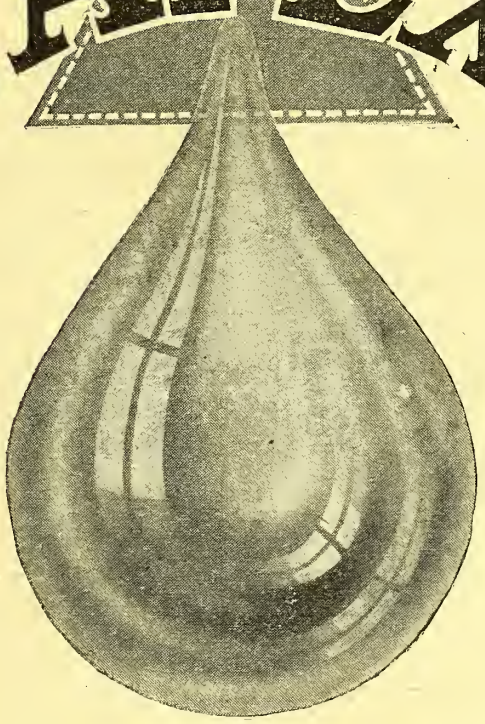
Per Gross 65/-. Minimum Retail 8d.

Send for samples, assorted sizes, with particulars, Doz. P.O., 5/-, ½ doz., 2/8. (Overseas add postage for 9 oz. or 5 oz.) to the Patentees.

C. F. DUPÈRE

11 Thornfield Road
BISHOP'S STORTFORD

VAPEX



"TRY A DROP OF VAPEX!"

THESE words are being said many times a day this winter. People who have once used "Vapex" feel that they *must* recommend it to their friends. Then follows the inevitable question, "Where can I get Vapex?"

Let your customers know that <u>you</u> stock "Vapex," the pleasant Inhalant.

TRADE PRICES: 2/- size, (P.A.T.A.) 18/6 doz. 3/- size, (P.A.T.A.) 27/6 doz. 12/- size, 9/- each.

B/77

THOMAS KERFOOT & CO LTD
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

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A Powder That Matches The Perfume

NOW Lérys Powder is also available—a worthy companion to Lérys Perfume. All the fashionable shades—a unique display box which shows them *in actuality*—and a packing which fittingly suggests their quality.

Stock available in London.

Lérys

PARFUMS

Paris

Manufactured by LÉRYS, Paris.

Sole Concessionnaire:

H. A. CLARKE, 34-35 East Castle St., London, W.1.

Telephone: Museum **5612.**

DEARBORN (1923) LTD.

37 Gray's Inn Road, London, W.C.1

Toilet Specialties.

	Price per doz. to Retailer	Selling Price P.A.T.A.
PILENTA SOAP .. .. A complexion soap.	10/-	1/-
PROLACTUM .. .. For the lips.	10/-	1/-
PARSIDIUM JELLY .. For wrinkles.	10/-	1/-
ALLACITE OF ORANGE BLOSSOM .. .. .. A dressing cream.	22/6	2/6
BORANIUM .. .. .. A hair tonic.	22/6	2/6
CLEMINITE .. .. .. For a face lotion.	22/6	2/6
COLLIANDUM .. .. For a face tint.	22/6	2/6
PERGOL .. .. .. A deodorant.	22/6	2/6
TEKKO PASTE .. .. Camphor cream.	22/6	2/6
STALLAX .. .. .. For a shampoo.	13/6 22/6	1/6 2/6
JETTALINE .. .. .. For clearing the skin.	31/6	3/6
PHEMINOL .. .. .. A depilatory.	36/-	4/-
MENNALINE .. .. For the eyelashes.	36/-	4/-
MERCOLIZED WAX .. A face cream.	18/- 31/6	2/- 3/6
STYMOL .. .. .. For oily complexions and blackheads.	36/-	4/-
SILMERINE .. .. .. Hair-curling fluid.	22/6	2/6
BARSYDE .. .. .. Dandruff eradicator.	22/6	2/6
TAMMALITE .. .. For grey and faded hair.	22/6	2/6
LIQUID PERGOL .. .. To check excessive perspiration locally.	31/6	3/6
BICROLIUM .. .. .. For whitening the hands.	22/6	2/6
COCONOIDS .. .. .. For figure development.	31/6	3/6

The Products of

Messrs. PARKER, BELMONT & CO.

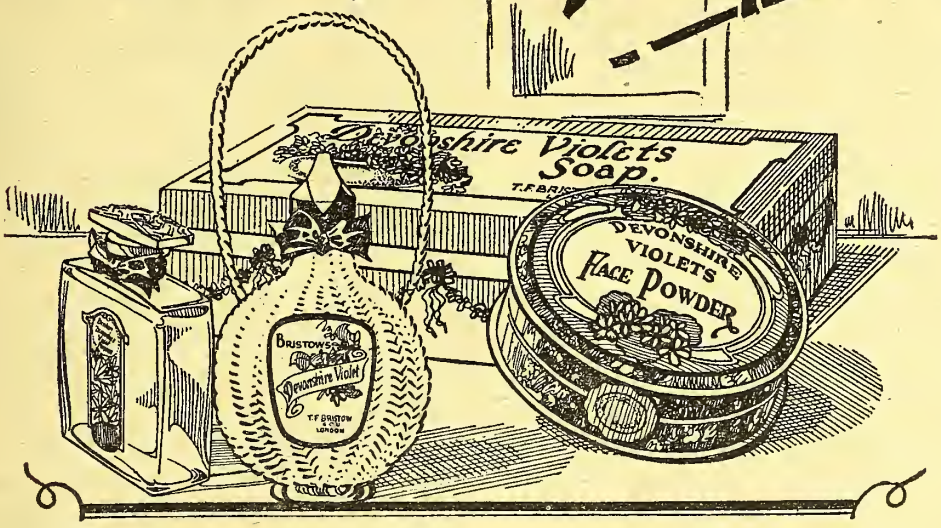
CLYNOL BERRIES .. For obesity.	36/- 58/6	4/- 6/6
SOFT PALERIUM .. .. For wrinkles.	45/-	5/-
LIQUID NAIL POLISH .. Brilliant and lasting.	10/-	1/-

Stocked by ALL Wholesale Houses.

COLONIAL DEPÔTS AND AGENCIES.

Australia: ALL WHOLESALERS, & DEARBORN (Australia), Ltd., Grace House, Clarence Street, Sydney.
South Africa: LENNON, Ltd., Cape Town, etc.
SIVE BROS. & KARNOVSKY, Johannesburg.
India: FRAMJEE & SON, Bombay.
A. L. CHOUDRY, Calcutta.
New Zealand: SHARLAND & CO., Auckland and Wellington.
South America: DEARBORN (South America) Ltd., Calle Pavon 2100, Buenos Aires.
Straits Settlements & Federated Malay States: MEDICAL HALL, Ltd., Singapore.

A Popular Xmas Line with money in it for YOU



BRISTOW'S DEVONSHIRE VIOLETS TOILET SERIES have built up for themselves a steady all-the-year-round sale, which is never greater than at Christmas time.

There is a handsome margin between wholesale and retail prices, making them not only easy, but profitable to handle.

BRISTOW'S

Devonshire Violets

will be very much in demand during the next few weeks, and in order to reap the maximum benefit you are advised to order NOW.

Attractive Showcards and Window Displays supplied.

T. F. BRISTOW & Co., Ltd.

COLINDALE - HENDON - N.W.9



An Open Letter to Chemists

Dear Sir,—Every time a new product comes on the market, which is likely to interest your customers, you are asked to stock. In most instances you are ready to examine its claims and to give it a trial.

Naturally you are on the look-out for things which are well advertised, show a good profit, and meet a demand likely to remain continuous.

This leads us to Boncilla. Boncilla Beauty Preparations have no rival. They do not aim at displacing the lines you already handle and therefore make for additional trade and profit. They are backed by advertising running into thousands of pounds, and they are absolutely guaranteed on money back principle, to do all that is claimed for them.

Behind Boncilla is a fine selling scheme. With each Boncilla preparation is a coupon. For three of these coupons we issue a voucher entitling a lady to come to you for a FREE Boncilla Pack-O Beauty Set for home treatment. We tell you she will be coming and send you the set to hand over to her with your compliments. That's the way we bring you new customers, who will remember you gratefully for this free gift.

Where the Boncilla treatment is understood (and the directions are very simple) sales are excellent. May we send one of our travellers to explain to you both Boncilla itself and the wonderful selling scheme ?

Yours faithfully,

BONCILLA LABORATORIES,
Messrs. QUELCH & GAMBLES, LTD.,
211-215 Blackfriars Road, S.E.1.

P.S.—Meantime, to meet the calls which you are already having for Boncilla, and will have in increasing numbers, may we send you this small introductory parcel, carriage paid ? :—

Doz.		P.A.T.A.
1	Boncilla Vanishing Cream No. 1 (11s. doz.)	11 0 — 1 3
1/6	Boncilla Vanishing Cream No. 2 (28s. doz.)	4 8 — 3 6
½	Boncilla Beautifier No. 1 (tubes) (10s. doz.)	5 0 — 1 3
1/6	Boncilla Cold Cream No. 2 (28s. doz.)	4 8 — 3 6
½	Boncilla Pack-O-Beauty Sets (20s. doz.)	10 0 — 2 6
	Total	35 4

The bonus on this Sample Order is three Boncilla Pack-O-Beauty Sets FREE, to retail at 2s. 6d. each !

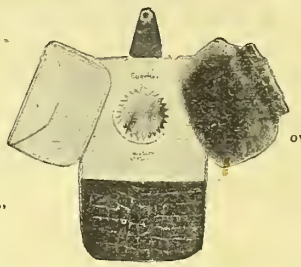
May we send you this parcel, with suitable show material ?

MOUSLEY'S
SUN-RAY COMPACT

REAL LEATHER WITH NATURAL UNDYED FUR PUFF.

Looking Glass and Receptacle for Lip Stick

Made at the "Beaverpuf" Works.



Patent Container enabling Purchaser to use own Powder.

With same Guarantee of Quality.

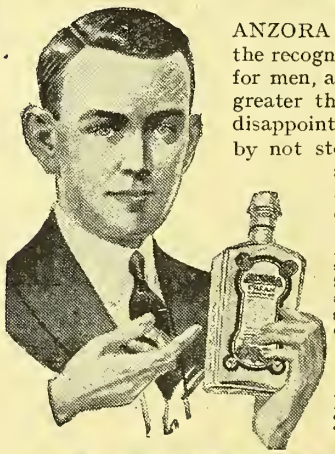
ENVELOPE CONTAINING SUFFICIENT OF THE
NEW MOUSLEY'S SUN-RAY POWDER
TO FILL CONTAINER SUPPLIED FREE.

MOUSLEY'S SUN-RAY COMPACTS 3/6 each.
Each packed in a Superior and Attractive Box.
MOUSLEY'S SUN-RAY LIP STICKS 1/3 each.

From all Wholesalers or Direct.

BEAVERPUF LIMITED
PRIEST BRIDGE, MORTLAKE, S.W.14
Telephone: PUTNEY 166.

If you are not stocking you are losing money



ANZORA has now become the recognised Hair Dressing for men, and the demand is greater than ever. Do not disappoint new customers by not stocking. Order a supply to-day and secure your share of the profits.

Anzora Cream for greasy scalps and Anzora Viola for dry scalps. Obtainable from Wholesalers, together with a free supply of window cut outs.

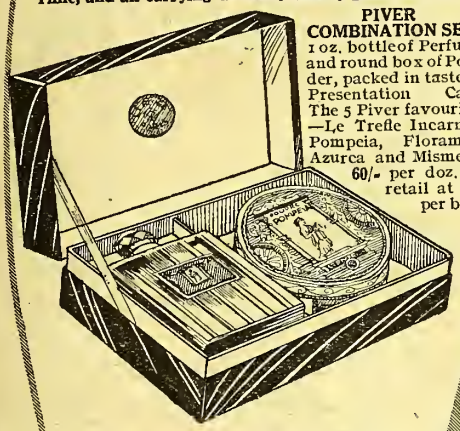
Trade Terms :
12/-doz. Retail at 18/-
20/- „ „ 30/-

ANZORA
MASTERS THE HAIR

If unable to obtain from your wholesaler write direct to :
ANZORA PERFUMERY CO., LTD., LONDON, N.W.6

XMAS "STOCKING"

Unique Piver Lines, assured of a ready sale at Gift Time, and all carrying an exceptionally generous profit.



PIVER COMBINATION SETS
1 oz. bottle of Perfume and round box of Powder, packed in tasteful Presentation Case. The 5 Piver favourites —Le Trefle Incarnat, Pompeia, Floramye, Azurca and Mismelis. **60/-** per doz., to retail at **7/6** per box.



PIVER ESSENCES: Concentrated Trefle Incarnat, Pompeia, Floramy & Azurca, in cigarette-lighter shaped bottle, flat to fit handbag. **60/-** per doz., to retail at **7/6** per bottle.



PIVER VOLT PERFUME
The startling *Parfum d'Elegance*, in novel lamp-shaped bottles, **60/-** per doz., to retail at **7/6** per bottle.

LT·PIVER
PARIS

LONDON,
102 DEAN STREET,
OXFORD ST., W.1.
Telephone,
Regent 5268.

Make sure you are well stocked with *all* **Piver** Lines. Gift Time always brings an additional demand.

TRADE MARK

APOLOGY

We regret that owing to the exceptionally heavy demand for several of our new lines of Perfumery, there has been some little delay in the execution of orders. The demand has far exceeded our anticipations, but fresh stocks of bottles and cases, etc., are now to hand, and we hope to complete all orders now in hand by the middle of the month. We thank our customers in all parts of the Kingdom for their kind consideration and courtesy.

SPURWAY ET CIE, LTD.

89 Great Eastern Street,
LONDON :: :: E.C.2.

CANNES-GRASSE, RIVIERA.
PARIS.

LEIPSIC NEW YORK
KINGSTON (ONTARIO)

Telegrams - "NEROLI, LONDON."
Telephone - BISHOPSGATE 1372.

ESSENTIALLY a line for wise Buyers—

"PLAIMAR" SANDALWOOD OIL

fragrant, pure and dependable.

Another "PLAIMAR" Success of equal interest

"BORONIA"

A unique Otto extracted from the Australian Boronia flower.

Sample and Prices from Sole Agents
PLAISTOWE & CO., LTD.
KING'S CROSS, LONDON: & PARIS.
Telephone .. .. North 829 (3 lines).
Telegrams .. Plaistowe, Kincros, London.
Cables .. .. Plaistowe, London.

PERFECT PRODUCTS

DODGE & OLCOTT CO., 20 MARK LANE, LONDON, E.C.3.

THE "D & O" BRAND

is the "Standard of Quality" for

OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT, SASSAFRAS, ETC.
BALSAMS of Copaiba, Peru, Tolu.
TONKA BEANS, Angosturas.

Phone— ROYAL 3843.

Telegrams— "EGDARF, FEN, LONDON."

BEETHAM'S TOILET LINES ARE GOOD STOCK

Lait Larola *Larola Rose Bloom*
Glycerine & Cucumber

M. BEETHAM & SON, CHELTENHAM



Buy British

At this time of the year buyers are sometimes faced with an almost embarrassing variety for the approaching Christmas gift season. To make the right selection is no easy task.

It is a fallacy to believe, as well as entirely unnecessary, to let the public imagine that to be good a perfume must be of foreign origin. Britain can produce floral perfumes and bouquets equal to any in the world, and Vinolia provides a profitable way of proving how really good the best British perfumes undoubtedly are.



Vinolia

For the best

NEW PACKS
NEW SHOWCARDS

Full details from

VINOLIA CO. LTD.
BLACKFRIARS, LONDON, E.C.4



PV 70-20-100

The Line which YOU must carry for Christmas is

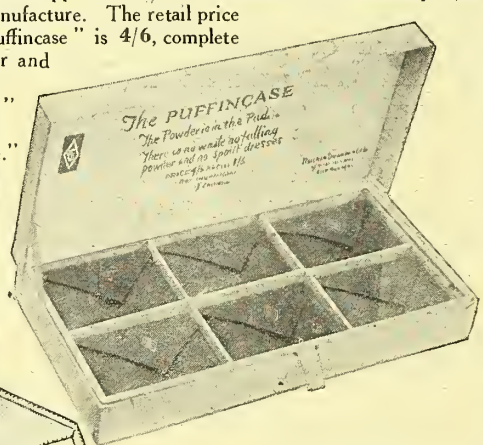
The PUFFINCASE

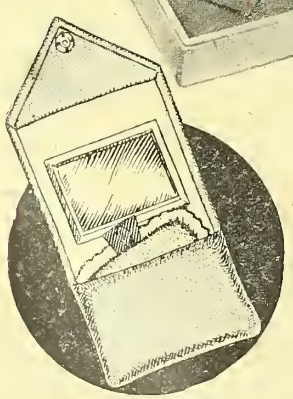
SINCE the "Puffincase" was first brought to the notice of the women of the country by means of an extensive advertising campaign, the demand for this 'best-of-all' powder container has been enormous. It has become apparent that Chemists who show the "Puffincase," either in their window or on their counter, quickly have to re-order, as the average woman cannot resist the appeal made by the dainty, Persian leather "Puffincase," complete with mirror and Tinypuff filled with the finest powder, which will last three months in daily use. The powder cannot fall or soil the clothes.

The Powder comes *through* the Puff

¶ All Ruskin, Dawney products are distinguished by their high-class appearance and the remarkable craftmanship used in their manufacture. The retail price of the "Puffincase" is 4/6, complete with mirror and either the "Tinypuff" or the "Puffinette."

Write to-day for Trade Terms.





Another Ruskin Dawney product you should carry is the

Ruskin Shaving Pad for MEN.

Write for particulars and Trade Terms.

Ruskin Dawney & Co., Ltd.

of 38 Old Bond Street, London, W.1.

Telephone: Regent 7391.

Absolutely Reliable.

SACKER'S HYGIENIC COMB

The Greatest de-Louser and NIT Remover ever invented.

Highly recommended by all the leading members of the School Medical Service in the U.K.

Made of Metal in Two Grades.

Retails at 2/9 and 5/6 each.

Wholesale 24/- and 48/- per dozen.

MANUFACTURED BY
SACKER'S HYGIENIC COMB & TOILET SUPPLY CO.
13 BLACKSTOCK ROAD, LONDON, N.4.

"SANNAKLEEN"



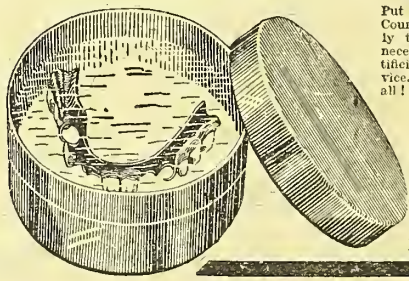
A NEW TYPE
SILVER-PLATED SCURF COMB
For Nursery or Toilet Table.

RETAIL **2/6** ea.

WHOLESALE **20/-** PER DOZ.

Tiffin's Dentabath

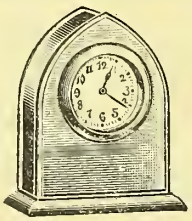
for sterilizing Artificial Dentures



Put half-a-dozen on your Counter and see how quickly they sell! A hygienic necessity to all who wear artificial teeth. 12 months' Service. Fill with water. That's all! P.A.T.A. protected.

Retails at..... **4/6**
Doz. lots, **39/-** c. fd.
2-doz. ,, **39/-** c.pd.

London Wholesalers:
WARRICK BROS.
6 Nile St., City Rd. N.1.
Makers:
Tiffin's Dentabath, Ltd., South Shields.



YOUR COMPETITORS

are selling lots of

CLOCKS & WATCHES

Why don't you?

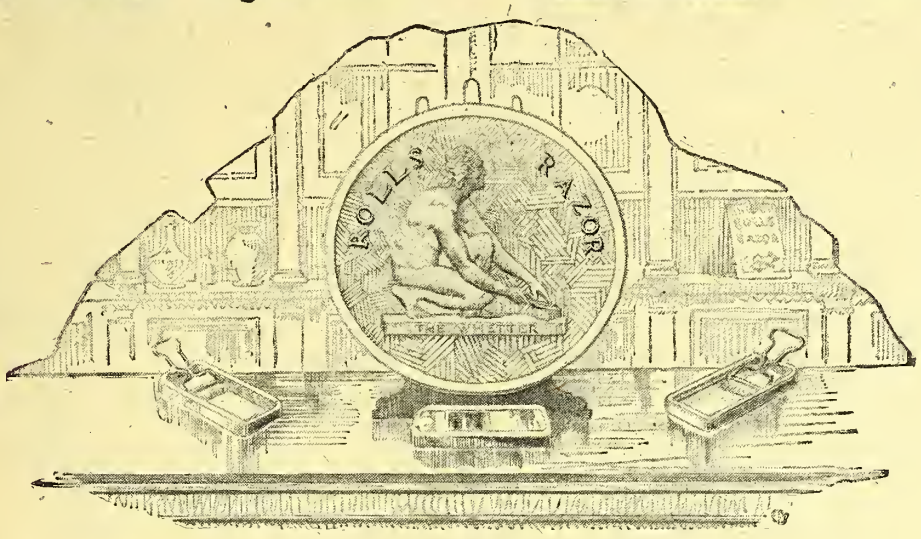
Single Alarms ... ... **33/-** doz.
Enamel Fronted Clocks, assorted colours, as illustrated **36/-** doz.

Largest variety ever offered in stock.
SEND FOR FULL LISTS.

We can also supply **Genuine Gillette Blades,** and all leading makes of **Safety Razors and Blades.** Let us quote you. Our prices are unbeatable. Terms: Nett Cash with Order or goods sent against approved refs.

L. FRANKENBERG, 15 Stoney Lane, Houndsditch, London, E.1. *Phone: Avenue* 1170.

Sell the Rolls – a British razor



Let the public know

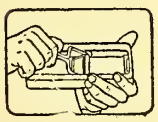
Let the public know that they can buy their Rolls Razor from *you*. Retailers all over the country are benefiting from the tremendous success of the Rolls Razor campaign. The Rolls Razor with its one permanent blade, self-stropped and honed, is going on from success to success.

Our advertising has made a tremendous demand. The question is whether *you* are going to make the sales. We will send you showcards, literature and fine embossed plaques of the Rolls Razor Trademark for display.

The Public are buying Rolls Razors. See that they buy from *you*.

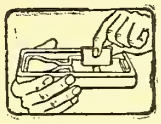
Its ONE blade is guaranteed for five years.

ROLLS RAZOR



Self-stropped and honed in a few seconds.

ROLLS RAZOR Ltd.
1, Charing Cross,
London, S.W.1.



Blade attached by a simple quarter turn.

E.P.S. 18
B B

The World's Best Hairbrush

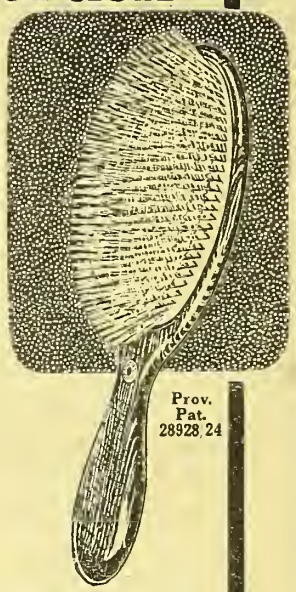
means quicker sales and bigger profits for you

Why? Because it has more selling points than any other brush in the world. Because it meets to a greater degree than all others the modern woman's need for deep, penetrating hairbrushing **plus absolute cleanliness.**

Consider for a moment the strength and toughness of the bristles and the resiliency of the rubber pad in which they are set. Is there any other brush more capable of getting right down to the roots of the hair than the "Klenly" Brush? Consider also the tempting beauty of the various colours and designs.

And this is not all. Both the bristles and the pneumatic pad are **white.** Because of this the brush is always kept clean; its whiteness instantly betrays any dirt or dust that may come from the hair. The air vent, too, is placed in such a position that it's the easiest thing in the world to clean the brush.

These then are the reasons why **you** should stock the "Klenly" Hairbrush—why you should take **your** share of the extra-generous margin of profit that we as the **actual manufacturers** can afford to allow you.



RIGBY'S

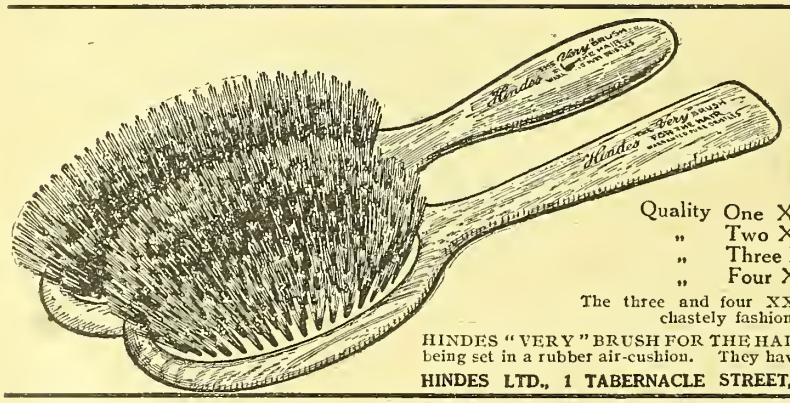
Klenly

HAIR BRUSH

RIGBY, BATTCOCK, LTD., 28 MUSEUM STREET, LONDON, W.C.2.

Protected in U.S.A., CANADA and FRANCE.

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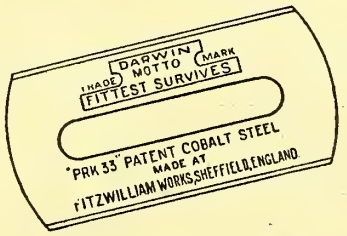
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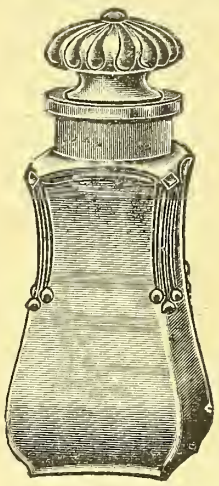
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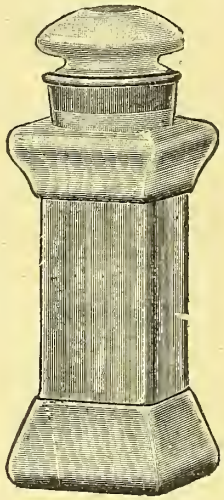
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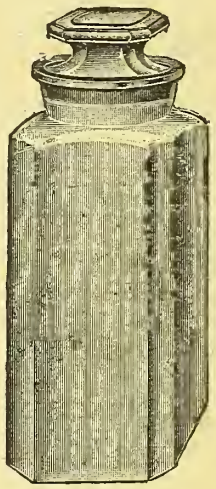
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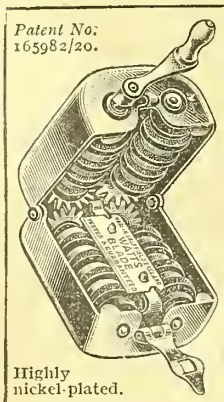
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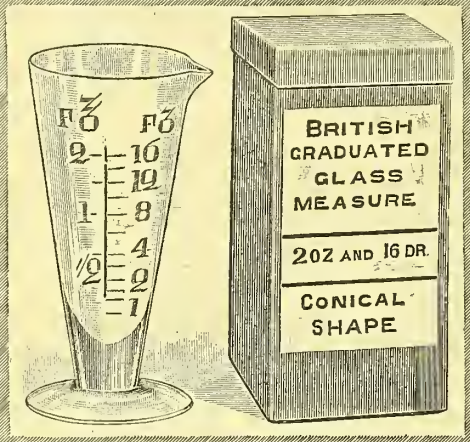
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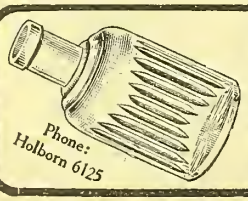
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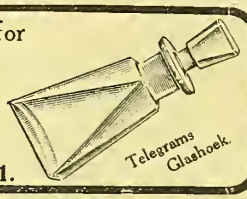
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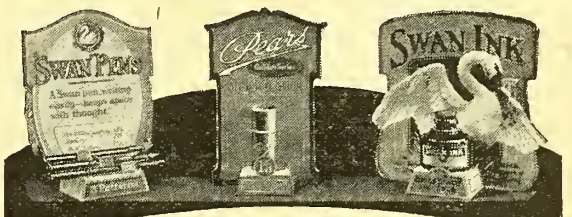
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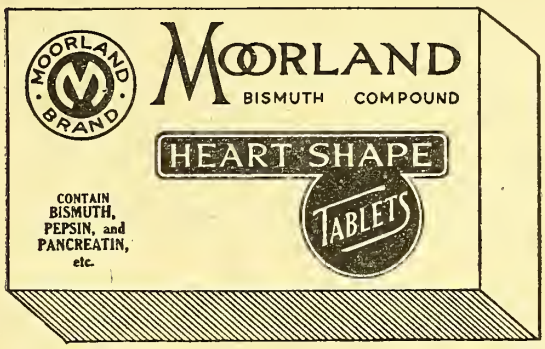
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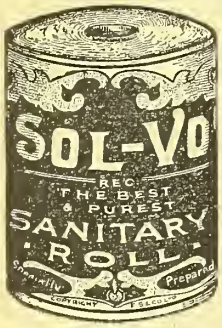
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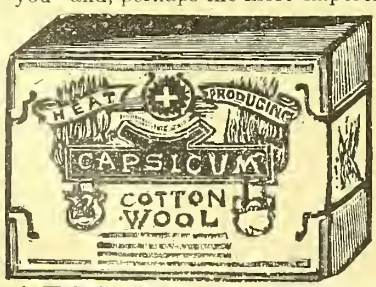
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The sales of the Ronoleke Hot Water Bottle are justifying all that we predicted—considerably more, in fact. The powerful advertising, backed up by the undeniable, proved superiority of the article, is reaping its reward. The sales have increased at an enormous rate. The demand for the popular size, 12" by 8", has been surprising. The Ronoleke is a bottle that you can take a pride in recommending to your customers. It brings credit to your business.

Points of Superiority

PATENT NECK

The Ronoleke Patent neck ensures a perfectly water-tight bottle. The weakest part of the ordinary bottle is the Ronoleke's strength.

NO WIRING

to rust and corrode—just solid built up rubber of great strength. The patent neck has socket lugs embedded in the rubber.

NO WASHERS

to perish or renew. The screw top flange engages with the solid rubber platform—it cannot loosen when screwed.

THE CAPTIVE STOPPER.

The Captive Stopper now fitted to the Ronoleke makes it impossible to get lost, each one is chained to the bottle.

PROFIT RIGHT

A glance below will show you that the Ronoleke profits are good—just as good as the bottle itself, in fact.

STOCK RONOLEKE. Send your order now. £5 orders and over less 5% plus a further 5% for prompt cash.



Sales-compelling Showmatter

We have produced some very fine showmatter that will certainly arrest the attention of passers by and create an interest in the Ronoleke that will ensure the desire to purchase. There are cards for your window, for your counter, and a very attractive transparency to fix on your door glass or window.

Increased Advertising . . . .

A sustained and scientific advertising campaign is again being placed for the Ronoleke Hot Water Bottle. Bold and striking advertisements will appear in all the leading magazines, etc., and will be seen by millions of potential customers. It is a duty to yourself to link up with this advertising.

To-day's Prices

	SUPER RED		DRAB	
Size	Wholesale	Retail	Wholesale	Retail
10×8	5/-	7/6	4/7	6/3
12×8	5/9	8/6	5/1	6/9
12×10	6/6	9/9	5/9	7/9

Obtainable from Wholesalers, etc., or direct from

CAMPBELL, ACHNACH & CO. LTD.

Wallace Street, Glasgow

WE CARRY

Complete Stocks

OF

CATHETERS
RUBBER—ELASTIC GUM—GLASS

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HYPODERMIC
and SERUM
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All of "Dependable" Quality
:: and Expert Selection. ::

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AND WAYMARK, Ltd.
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Zeal's
CLINICAL THERMOMETERS

are

BRITISH MADE

by

BRITISH LABOUR

from

BRITISH GLASS

and

GUARANTEED
PERMANENTLY ACCURATE

G. H. ZEAL, LTD. 75 & 77 St. John Street —LONDON, E.C.1—

TAYLOR'S
EMERGOPLAST

Ready-for-use Wound Dressing

The Quick, Efficient
Dressing for

WOUNDS, CUTS, SCRATCHES,
BRUISES, BURNS, BOILS, Etc.

3d. Envelopes - **2/-** doz.
6d. „ - **3/9** „
1/- Boxes - - **7/6** „

2½% Monthly A/c P.A.T.A.

Samples & Showcards free on request.

EDWARD TAYLOR Ltd.
SALFORD, MANCHESTER
And 21 Ely Place, London, E.C.1



No. 6

Questions Customers ask you

"Do you sell stoppers for hot water bottles?"

Nothing is lost so easily as a hot water bottle stopper. And it cannot be replaced satisfactorily—to get a new one a new bottle must be bought, because a badly fitting stopper means a leaking bottle. Tell your customers that the stopper of a

"P.B.C."
Burst-Proof Bottle

cannot be lost. It is actually attached to the bottle itself. That is the kind of selling point that will make many and many a profitable sale for you.

A Window Display—Free

With the first order of "P.B.C." Burstproof Bottles, we are giving away a most attractive and proved attention getter. Ask for it when sending in your order.

P. B. COW & CO. LTD.
47 CHEAPSIDE, E.C.2

Telegrams : "PETER COW, CENT, LONDON." *Telephone : CITY 1431 (3 lines).*

Is your lighting all wrong?



The illustration shows a few of the common types of pendants in general use for shop lighting. These, and similar types, are quite unsuited for this purpose. By their glare, they distract the eye from the goods displayed, and thus defeat the first object of shop illumination.

Yet, it is quite easy to get the *right* kind of light, for a system of shoplighting, to precisely this end, has been evolved. It will give you ample light, without waste; and make your shop a "land-mark" amid its neighbours. Any reputable electrical engineer will give you fuller particulars.

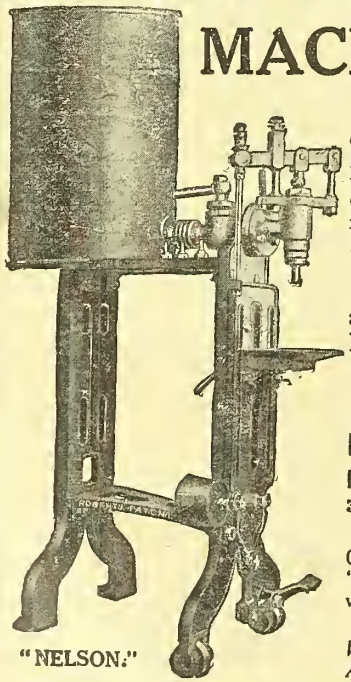
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ELECTRIC LAMP MANUFACTURERS' ASSOCIATION OF GREAT BRITAIN LTD

"People buy where the light is bright"

Issued by The Electric Lamp Manufacturers' Association.

ROBERTS' ORIGINAL PATENT

BOTTLE-FILLING MACHINES



"NELSON."

Don't waste money on imitations, buy **Roberts' Machines** which actually **Created the Records** for

CLEANLINESS SIMPLICITY

and Rapidity in Bottle Filling.

Write for new Price Lists.

NOTE the Address:

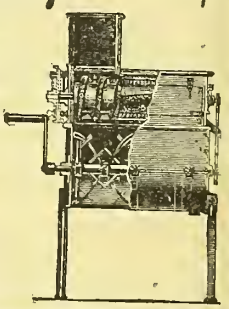
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33 ROUNDCROFT ST. BOLTON.

Our latest patent "Alpha," price **£12**, will fill 10 gross bottles per hour.

Write for Particulars.
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This gives a thorough mix-up

A Gardner "Rapid" sifter and mixer will thoroughly sift and mix ½ oz. of one ingredient with a 30-lb. mixture of dry powders **at one operation,** and "every pinch of the whole will show its presence"—a customer's statement.



Write us for list of Ball Mills, Disintegrators, Millstones and Mills, Drum Sieves, Drying Machinery, etc.

WM. GARDNER & SONS (Gloucester) LTD.
Bristol Road, GLOUCESTER.
'Phone 117. *'Grams:* "Gardner," Gloucester

ZEISS



REFLECTOR LAMPS

New Model j160.

PRICE - - - 9/-

Complete as shown without bulb.

COMPARE THIS PRICE with that of other reflectors

Full particulars of all models, for window, shop, office, warehouse, and outdoor lighting, in illustrated catalogue B79 from The British Representatives:

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Winsley House, Wells Street, Oxford Street, London W.1.

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F. J. STOKES MACHINE CO. manufacture all the machines required for the production of Tablets and compressed material. As Sole Agents for many years, we have had long experience of these machines, and we shall be glad at all times to give advice concerning them and also to compress samples free of any charge or obligation.

THOMPSON & CAPPER, LTD.

Here are some of the machines and apparatus in constant use:—

STOKES' "O" TABLET MACHINE.

"N" MACHINE
For making tablets up to ½".
Output 6,000 an hour.

"EUREKA" HAND MACHINE

GRANULATING MACHINES

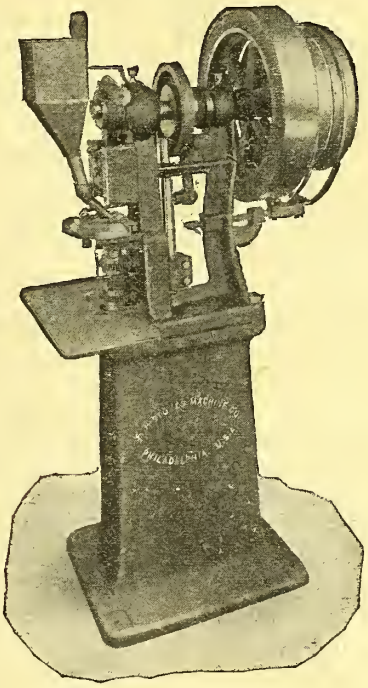
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DRUG MILLS

COATING PANS

VACUUM DRYERS

ROTARY MACHINES
With output up to 90,000 tablets an hour.



LARGE SINGLE-PUNCH MACHINES
For making Bath Tablets and various shapes up to 2" diam.

STOKES' AUTOMATIC WATER STILLS
(STEAM AND GAS)
Output from 3 pints to 100 gallons an hour.

THE "AQUAPURA" STILL
Price **52/6**

Full particulars on request.

We have a SPECIAL PLANT for the repairing and refacing of PUNCHES and DIES. Also for overhauling and renewing all classes of Pharmaceutical Machinery.

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(SOLE AGENTS: F. J. STOKES MACHINE CO.),

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FOR PERFECT SUPPORT & DURABILITY

"SURCO" ELASTIC HOSIERY.

BELTS, TRUSSES, SUSPENSORIES, SUNDRIES. 2

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PURE ORANGE WINE

A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only).
Samples from Head Office, Thomas Street, DUBLIN, or London Office, 74 Great Tower Street, LONDON, E.C.3.

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SPECIALITIES.—Gums Arabic and Tragacanth as Imported or finely powdered

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PILLS, OINTMENT, EMBROCATION.

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A Thirty-shilling Parcel shows

26% PROFIT ON SALE.

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ISOPROPYL ALCOHOL.

FINE ODOUR. LOW PRICES.

Any quantity. Spot or forward delivery.

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SELF-FIXING BOTTLE CAPS.

Opaque or Transparent. Snow white or coloured.

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ALL CHEMISTS SHOULD STOCK ABDINE

THE GOLD MEDAL HEALTH DRINK.

Quick Seller. Big Profits. Over 40 years' Reputation.

"Abdine" is the most popular Health Drink, superior to all Mineral Waters. The Original and only genuine Fruit Drink.

Reduced Price List can be had on application.

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MELROSE TABLETS

FOR CHAPPED HANDS

A VERY PROFITABLE SELLING LINE.

Chemists' net prices carriage paid.

2d. tablets 1/4 dozen, 15/- gross. 5 gross 13/6 gross.

3d. tablets 2/- dozen. 6d. tablets 4/- dozen.

ROBERTS & SHEPPEY

2 Skipton Street, - LONDON, S.E.1.

Hobson's Choice FEET PLAISTERS POWDERS

From the usual Wholesalers or direct—

HOBSON, TRIMBLE & CO. LTD.

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Tatcho-tone

For GREY HAIR

PRICES

8d. Trial phial

per doz. 5/9

Per doz.

2/6 size, 21/-

4/6 „ 42/-

TATCHO-TONE CO., 5 Gt. Queen Street, London, W.C.

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ALWAYS IN GREAT DEMAND.

PRICE LIST ON APPLICATION.

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HENNA SHAMPOO.



SHADEINE

For COLOURING GREY HAIR

This popular article is largely advertised and stocked by all Wholesale Houses.

Trial size 8d. per doz. 6/-

1/4 size, per doz. 12/-

2/6 size, per doz. 24/-

3/9 size, per doz. 36/-

The SHADEINE CO., 58 Westbourne Grove, London, W.2.

TALCUM POWDER
FACE POWDER
VANISHING CREAM

Any Grade.
Any Colour.
Any Perfume.
Any Quantity.

All Merchandise in Bulk or in your own Coutainers.

The O-PINE-O Manfg. Co. Ltd., Montague Rd., Hornsey, London, N,8

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will bring you our Price List for Developing, Printing, Enlarging, and Bromide Picture Post Cards. Our prices are the lowest in the trade, and our quality of work is of the highest standard.

The foundation of a good photo business is first-class work, therefore trust your D. & P. trade with the first-class firm of

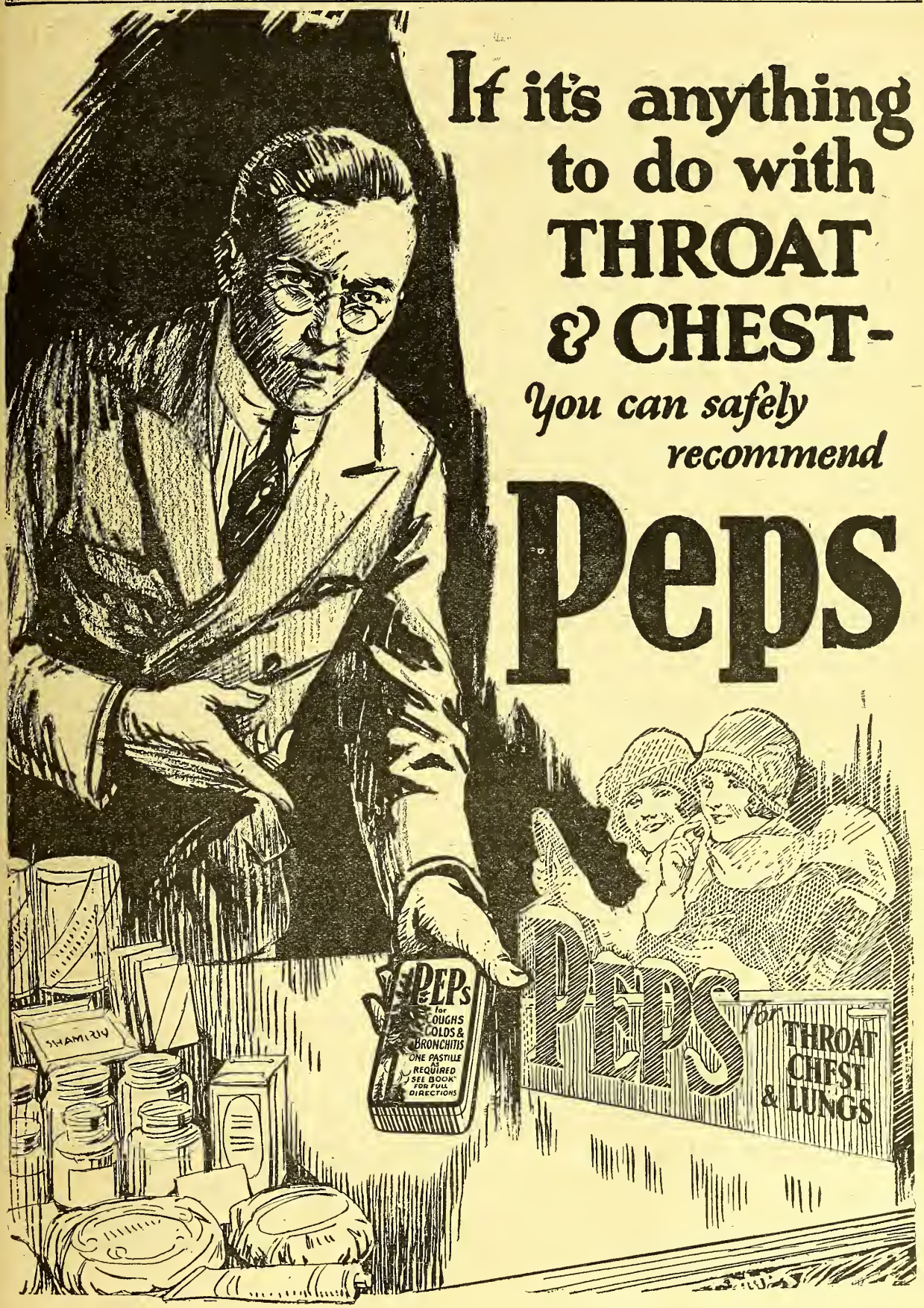
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EXCLUSIVELY A PHARMACY LINE

P.P.T. PY-SHAN POINTS TEA

SECURES YOU REGULAR CUSTOMERS AND 7d. PER POUND PROFIT.

Write for full particulars to — Thos. Christy & Co., 4/12 Old Swan Lane, E.C


If it's anything to do with THROAT & CHEST-
You can safely recommend
Peps
PEPS for THROAT CHEST & LUNGS
PEPS for COUGHS COLDS & BRONCHITIS
ONE PASTILLE AS REQUIRED
SEE BOOK FOR FULL DIRECTIONS
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A Remarkable Ginger Wine

A NON-ALCOHOLIC Wine having a delicious vinous aroma, blended with choice flavours in which that of genuine Jamaica Ginger predominates, is that prepared from Hay's well-known Ginger Wine Compound. This vinous character is unique in a non-alcoholic drink, and the only way of producing it is by following Hay's method.

A free working sample with full instructions to all bona fide enquirers.

Labels, capsules, tinfoil and all necessary accessories for putting up and marketing the wine at low rates.

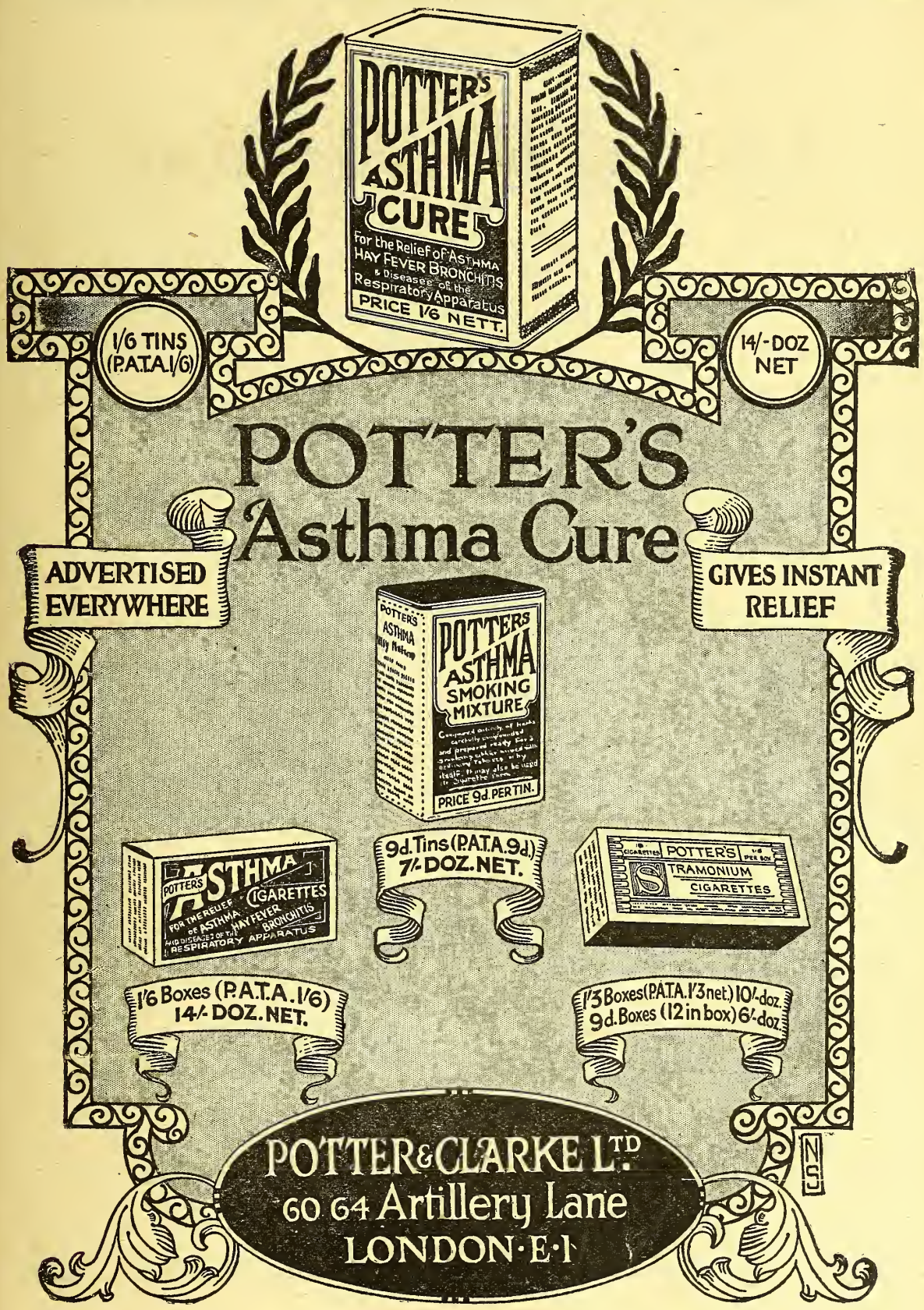
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For the Relief of ASTHMA HAY FEVER BRONCHITIS & Diseases of the Respiratory Apparatus
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POTTER'S Asthma Cure
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GIVES INSTANT RELIEF
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FOR THE RELIEF OF ASTHMA HAY FEVER BRONCHITIS AND DISEASES OF THE RESPIRATORY APPARATUS
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POTTER'S TRAMONIUM CIGARETTES
1/6 Boxes (P.A.T.A. 1/6) 14/- DOZ. NET.
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POTTER & CLARKE LTD
60 64 Artillery Lane
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fancy dress

WHEN the shadows of the Winter evenings draw longer, then comes the time of fancy dress with its maze of brilliant colourings—the vivid golds and scarlets—the purples and the flaming orange.

Do you realise what an opportunity this is for the chemist who prominently displays Whitaker Products—"Luton" and "Auroral" dyes? From now onwards until Christmas has come and gone—there will be a steady demand for these Products—a demand which means big sales for you if you will have them?

Look through your stocks to-night and see if there are any tints you have run short of. Send postcard for prices, patterns, etc.

All Cases and Containers free.

"AURORAL" DYES

COLD WATER

JUST THE THING FOR DYEING DANCE AND PARTY FROCKS.
Good trade should be done in this line now by recommending it for this purpose to your customers. Recognised as the finest cold-water dyes in the world for delicate and costly fabrics. Good results obtained even at the first trial. A certain seller.

'LUTON'

FABRIC DYES

HOT WATER

The best hot-water dyes for all materials, giving perfect results with the minimum of trouble. As with all other Whitaker products, they show a good profit.

'LUTON'

STRAW HAT DYES

The outcome of 45 years' accumulated experience in the manufacture of household dyes. This series comprises all colours and is in demand practically all the year round. They are all highly efficient dyes and appeal to every woman on economical as well as fashionable grounds. Supplied in either dull or glossy series.

VELT

THE NEW CLEANER

A cleaning preparation for removing stains, grease, dirt, etc., from clothing, upholstery, curtains, etc., and renovating them. VELT is a non-inflammable liquid and is supplied in screw tins of which three dozens are contained in an attractive outer. It is now available in 5 oz., 10 oz., and 20 oz. tins for the convenience of bigger users.

WHITAKER & CO. *Dye Specialists for Chemists,* **KENDAL**

Telegrams: "Dullette, Kendal." **(Established 1878.)** Telephone 214.

London Office and Showrooms: **61 & 62 Craven House, KINGSWAY, W.C.2** **Telephone: Gerrard 1774.**



Habitat of True Cascara

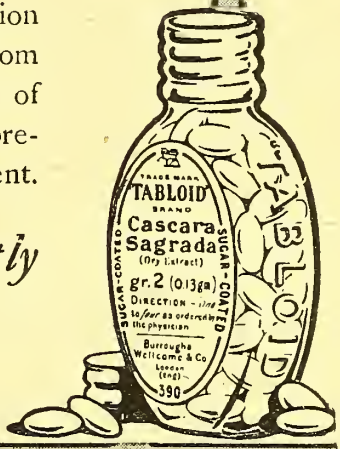
TRADE MARK **'TABLOID'** BRAND

Cascara Sagrada

True Cascara— at its best

THE utmost care is taken to procure the finest specimens of the true *Rhamnus Purshianus.* The bark is carefully dried and fully matured. Its therapeutic principles are scientifically extracted at the 'Wellcome' Chemical Works.

The care bestowed upon the preparation of this product ensures freedom from griping, uniform activity and accuracy of dosage. These points win the appreciation of both physician and patient.



Always display it prominently

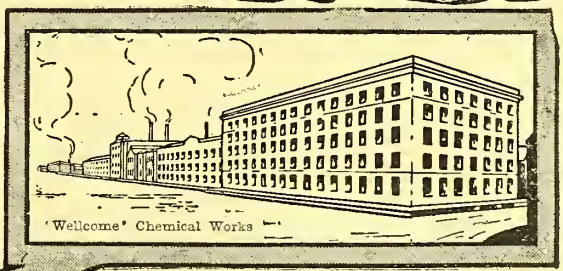
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CASCARA SAGRADA

In bottles of 25 and 100, gr. 2, 7/- and 18/- per doz. (subject)

Also in the following strengths: gr. 1, gr. 3, gr. 4, gr. 5, 0·15 gm. and 0·25 gm.

BURROUGHS WELLCOME & CO.
LONDON



'Wellcome' Chemical Works

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LIMITED

'CAPROKOL'

(HEXYL-RESORCINOL B.D.H.)

A new urinary antiseptic
for oral administration.

'Caprokol' (Hexyl-resorcinol B.D.H.) has the following properties, which are found united in no other substance yet discovered :—

(1) It is chemically stable.
(2) It is non-toxic.
(3) It is administrable by mouth.
(4) It is non-irritating to the urinary tract.
(5) It exerts a strongly antiseptic action in high dilution in urine of any reaction.
(6) It is eliminated in the urine in sufficient concentration to exert a local antiseptic action, and at a rate by which continuous antiseptic action is attained.

'Caprokol' (Hexyl-resorcinol B.D.H.) is issued :—

(1) In boxes of 25 capsules .. .. per box 7s. 0d.
,, 50 ,, ... ,, 13s. 0d.
,, 100 ,, ... ,, 25s. 0d.
Each capsule contains 0.15 gram 'Caprokol' in a 25 per cent. solution in olive oil.

(2) In bottle containing 4 fluid ounces of a 2½ per cent. solution of 'Caprokol' in olive oil .. .. per bottle 5s. 0d.
Each teaspoonful of the solution contains about 0.1 gram 'Caprokol.'

Less special discount to distributors.

Full descriptive literature on request.

Hexyl-resorcinol is manufactured by The British Drug Houses, Ltd., under *sole* British license from the patentees, Messrs. Sharpe & Dohme, Inc., Baltimore.

GRAHAM STREET, CITY ROAD, LONDON, N.1.

THE CHEMIST AND DRUGGIST

ESTAB 1859

A WEEKLY JOURNAL OF PHARMACY AND OF THE CHEMICAL AND DRUG TRADES

THE CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in the Overseas Dominions.

SUBSCRIPTION RATE

TWENTY SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Subscriptions may begin with the first issue of any month. Single Copy, 9*d.*, post free; *Diary*, 10s., post free. Postal orders and cheques should be crossed "Bank of Liverpool and Martins, Ltd."

TERMS FOR ADVERTISING may be obtained on application to

Head Office: 42 CANNON STREET, LONDON, E.C.4

(Telegrams: "Chemicus, Cannon, London." Telephone: Central 3617.)

Branch Offices { 4 Cannon Street, Manchester. (Tel.: City 52.) 54 Foster's Bldgs., High St., Sheffield. (Tel.: 2458.) 19 Waterloo Street, Glasgow. (Tel.: Central 2329.) Melbourne and Sydney, Australia.

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Wills

MR. ALEXANDER HUNTER MCBRYDE, chemist and druggist, 259 Whitley Road, and 6 Roxburgh Terrace, Whitley, died on June 6, leaving £7,314 14s. 11d., of which £1,333 18s. 4d. is net personalty, all of which he gives to his wife.

MR. ALLAN HARTLEY, chemist and druggist, 65 Whitegate Drive, Blackpool, who died on August 29, left estate of the gross value of £1,446 12s. 6d., with net personalty £1,036 12s. 6d. Probate of the will has been granted to his widow, Mrs. Ada Hartley.

MR. RICHARD LLEWELLYN DAVIES, chemist and druggist, 55 High Street, Clydach, Glamorgan, who died on July 21, left estate of the gross value of £5,279 8s. 8d., with net personalty £1,004 17s. 11d. The testator left his estate to his wife for life, and then for his children in equal shares.

MR. J. E. FRENCH, Sittingbourne, has been appointed chairman of the Kent Medical Benefit Subcommittee.

IN the Divorce Court, London, on November 3, Mrs. E. M. West was granted a decree nisi against her husband, Mr. L. A. West, chemist and druggist, Dartford.

English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

Fairchild Scholarship and Prizes

The Trustees of the Fairchild Scholarship and Prizes have this week sent out to all the secretaries of all branches of the Pharmaceutical Society and to all schools teaching Part 2 subjects of the Qualifying examination particulars and syllabus of the scholarship and prizes for 1926. It is felt to be important that possible competitors should know something of the conditions as early as possible. Any chemist with eligible apprentices may have a copy of the syllabus by applying, and a copy will gladly be sent to any apprentice in addition. The secretary is Mr. Herbert Skinner, Ph.C., 64 Holborn Viaduct, London, E.C.1.

Inventions Commission

On November 2 the Inventions Commission, sitting in London, heard the claim of Mr. J. A. Gardner, M.A., F.I.C., Reader in Physiological Chemistry to the University of London and a consulting chemist, in respect of the manufacture of chloropicrin. Sir James O'Connor, K.C., for Mr. Gardner, said that he was claiming in respect of the improvement of the manufacturing process of chloropicrin, the material which produced tear gas, and for filling shells with it. Eight thousand tons of the substance was made at a cost of £2,500,000. It had never before been adapted for manufacturing on a large scale. Mr. Gardner made experiments in 1915, and in 1916 a factory near Wakefield was put at his disposal. As a result of his experiments the process of making the substance was reduced from forty-eight hours to three, and there was a great saving in cost. Mr. Gardner, in the witness-box, said that he started experiments with chloropicrin after the Germans had used gas for the first time. Mr. Trevor Watson, appearing for the Crown, called Sir William Pope, F.R.S., Professor of Chemistry at Cambridge University, who said that the properties of chloropicrin were all well known to organic chemists. Except for one point, he did not see anything novel in Mr. Gardner's claim for improving the manufacture. The Commission reserved its decision.

Society of Apothecaries of London

At the Assistants' examination, held on October 26, 28 and 29, the following candidates were granted the certificate of qualification to act as an assistant to an apothecary in compounding and dispensing medicines:—

Abel, E. C.	Gray, M.	Murrell, E. B.
Allenby, E.	Grist, M.	Nightingale, G. E.
Bailey, M. L.	Grove, S.	Oswald, B.
Bichard, D. M.	Harding, W. M.	Over, M. J.
Bird, L. M.	Hawes, N.	Page, G. K.
Brierley, N.	Hinks, N. G.	Park, M.
Brunskill, M. A.	Hobbs, E. A.	Pollard, G. E.
Bulleid, B. A.	Hodgson, P. J.	Preston, D.
Caryl, M. D.	Houghton, J. N.	Reeves, A. M.
Chittenden, K.	Irvine, M. E.	Rennick, E. L.
Clay, N. E.	Jackson, M. A.	Rose, H. M.
Clemow, B. M.	Johns, L. M.	Round, B. N.
Coote, E. M.	Jones, A. M.	Ryding, M.
Cowhey, M.	Jones, D. M.	Smythe, N. McL.
Dobson, D.	Jones, R. A.	Stubington, E. Z.
Downey, J.	Lewis, M. A.	Thorpe, A. M.
Durrans, F.	Mackie, F. J. L.	Totham, M.
Evans, M. G.	Mainwaring, G. A. M.	Treliving, B. B.
Falconer, D.	Mathew, M. E.	Welch, A. C.
Farnfield, M.	Minshull, E. M.	White, L. C.
Flewitt, P. M.	Morris, R.	Whitehead, D. B. B.
Flint, D. L.	Moss, E. M.	Wright, D. J.
Gower, G. M.		Wright, M. L.

Contracts

The following tenders have been accepted by the bodies named:—

Crown Agents for the Colonies.—The Standard Tablet Co., Hove, pills.

East Preston Guardians.—Boots, Ltd., drugs, etc.

Inquest

The West London coroner held an inquiry, on November 2, concerning the death of "Jeffrey Wentworth Malim" (46), Redcliffe Road, S.W., described as a doctor of medicine, about whose identity there was said to be some difficulty. The first witness stated that "Malim" suffered from lung trouble, the result of being gassed and wounded during the war. He had been treated in hospital for an overdose of paraldehyde as well as cocaine. Once in every four or five weeks he would give way to excessive drinking. He procured the drugs from a chemist. When she stopped providing him with money in order to prevent him getting the drugs to which she objected, he took his clothes and pawned them. Mr. W. S. Lee, L.R.C.P.Irel., police surgeon, who conducted the *post-mortem* examination, said that there was heart disease, and death was due to syncope from pneumonia, probably accelerated by the paraldehyde. In reply to a question by the coroner, Dr. Lee said that paraldehyde was considered a safe drug, and there was no restriction on the sale of it. He agreed that the sale should be restricted on the same lines as that of other poisons. The coroner recorded a verdict to the effect that death was due to misadventure. It was subsequently stated in the same court that the real name of the deceased was Samuel Neville Appleton, that he had been a butler, and that he was last heard of as a dentist.

Birmingham

Boots, Ltd., have opened a new branch in Ladypool Road, Sparkbrook.

The pharmacy students took a prominent part in the carnival on October 31.

The Museum and Art Gallery have recently been enriched by the generosity of Alderman W. A. Cadbury and Major Hall-Edwards.

An address on "Commercial Education" was given to the Birmingham Rotary Club, on November 2, by Mr. Henderson Pringle, M.A., LL.B., principal of the Municipal School of Commerce.

Liverpool

Lancashire County Public Health Committee recommend the appointment of a full-time county analyst, in place of the retiring analyst, at a commencing salary of £800 per annum, rising by annual increases of £50 to £1,000 per annum, no bonus being payable. The Committee hope to transfer their laboratory from Liverpool to Preston.

In his quarterly report the Lancashire county analyst states that eight samples of borax purchased from six grocers were found to be distinctly, and in some cases dangerously, arsenical, the quantity of arsenic varying from 0.35 to 4 gr. per lb., or 50 to 570 parts per million. Five samples of magnesia were found to contain varying proportions of carbonate. All other drugs were genuine.

The Liverpool and District Pharmacists' Golfing Society had an enjoyable extra meeting on October 28, on the links of the Southport and Ainsdale Golf Club, the course being in excellent condition. Members competed for a prize, presented by Mr. T. M. Lloyd, which was won by the captain (Mr. A. Fairbairn), who thus repeated his success at the last competition at Heswall G.C., when he secured the Society's gold medal. He also took first sweep, while the second sweep was divided between Messrs. A. F. Jewell and J. G. Duncan.

Manchester

Lewis's are the medium for a big advertising push by Colgate & Co. Hundreds of samples are being given away, and advertisements inviting visitors appear in the local papers.

This is "rat week," but one writer in the daily Press remarked that he had not noticed any great show of rat poisons. There certainly does not appear to be much of a campaign against rats among the Manchester and Salford chemists.

The Manchester Literary and Philosophical Society has recently added a pair of spectacles to its collection of Dalton relics. The frames are of blued steel, and were originally furnished with swinging arms to fit round the ears. Mr. W. B. Barker, President of the British Optical Association, has examined the lenses, which he finds to be of the periscopic concave type with a power of five diopters.

The forthcoming annual dinner of the Manchester Pharmaceutical Association has every promise of being up to, if not above, the usual high standard. It takes place at the Midland Hotel on November 11, and among the guests who have promised to be present are Mr. Philip F. Rowsell (President of the Pharmaceutical Society), The Lord Mayor of Manchester, Sir Henry Miers, F.R.S. (Vice-Chancellor of Manchester University), and Sir T. Robinson, M.P. An exceptionally fine entertainment has been arranged.

An inquest was held by the Manchester coroner, on November 4, on the body of John McGarrey, aged three, whose death was shown to be due to eating saline matter found in a barrel while searching, with other children, for fuel. A chemist from a rubber works at Hulme, near which the incident occurred, said that the substance contained 85 per cent. of a compound used in a secret process by the firm. It was of a poisonous nature, but would not affect an adult seriously. By the coroner's permission the name of the compound was not disclosed. A verdict of "Accidental death" was recorded.

Sheffield

At a meeting of students and apprentices at the Y.M.C.A., on October 30, Mr. E. Preston, Ph.C., gave an instructive lecture on "Poisons of the B.P."

Dr. E. G. Bryant, Ph.C., of Robert Gordon' College, Aberdeen, who was for some time with the late Mr. G. T. W. Newsholme, has promised to address the Sheffield Pharmaceutical and Chemical Society.

Miscellaneous

FIRE.—An outbreak of fire occurred, on October 29, at the premises of W. J. Bush & Co., Ltd., manufacturing chemists, London, E. The flames were confined to one building, in which about thirty gallons of benzene was destroyed. The cause of the outbreak is unknown.

FACTORY STRIKE.—We understand that the employees of Robert Blackie, manufacturing chemists, Tower Bridge Road, London, S.E., who came out on strike (*C. & D.*, October 31, p. 605) have all been replaced. Orders are now being filled as usual, the temporary dislocation of the business having been overcome.

FOOTBALL.—In their matches played on October 31, The British Drug Houses Football Club lost to Gilbey's by three goals to one, and defeated the Wilcox Athletic Club by two goals to one.—On the same date, the Eno Recreation Club, playing against Bromley County School Old Boys, were beaten by six goals to one.—In the Inter-Pharmacy Cup competition, teams representing the London College of Pharmacy and the South of England College met at Edgware on October 31, the game resulting in a win for the former by seven goals to two. The following contributed to the "Cyanides'" score: Underhill 3, Pengelly 2, Lewes 1, Kembery 1.

IN THE COURTS.—In the King's Bench Division of the High Court, London, on November 3, Mr. Thomas B. Mullings, advertisement canvasser, Merton, was awarded the sum of £1,150 as damages against the British Thomson-Houston Co., Ltd., Aldwych, W.C., for personal injuries resulting from a piece of timber falling on his head.—At Blackburn, on November 3, Robert Murray Harris, dentist, Feilden Crescent, was summoned for practising dentistry without being authorised. It was stated that the defendant was authorised as a dentist last year, but failed to renew his subscription and was struck off the register. He was notified of the fact. He forwarded only £4, whereas he had to pay a fee of £1 to have his name again placed on the register, and also £5 annual subscription. The £4 was returned. The defendant said he was a poor man, and had served as a dentist in the Army. He was fined £2, and ordered to pay costs amounting to £2 12s.—At the same court, Richard Percival Walmsley, Charlotte Street, was fined £10, and ordered to pay £2 7s. costs, in respect of a similar offence.

BRITISH BRUSH INQUIRY.—At the inquiry on November 2 into the application of the British Brush Manu-

facturers' Association for a duty on imported brooms and brushes, Mr. Edward Hack, the London representative of a Germau firm of paint-brush makers, said that he with another person represented two French firms who manufactured shaving-brush handles. British manufacturers of shaving brushes bought their handles from him, as they were greatly superior in finish to the ones made in England, and they had received orders when they had been dearer than their British competitors, simply because of their quality. It was a recognised fact that the British manufacturers of these handles could not make enough to supply the trade. A tax on handles would mean that the British shaving-brush manufacturer would have to pay more for his handles, and the public would have to pay more for their shaving brushes, but the sale of British-made handles would not increase. Miss Fletcher, secretary of the Ivory Cross Society, said that she believed the use of tooth-brushes among the people was increasing. She believed that if the cheap tooth-brushes were excluded from this country many poor people would go without.

Scottish News

Brevities

"Business in general is very quiet," writes a Fife correspondent.

Miss I. A. Purdie, Ph.C., has purchased the business of Mr. A. A. Murray, chemist and druggist, Bruntsfield Place, Edinburgh.

The death is announced of Mr. James Walker, Helensburgh, who traded as the Crown Capsule Co., capsule manufacturers, 10 Campbell Street.

Robert Ferber, Ltd., capsule manufacturers, London, S.E.15, have appointed Maddox, Alexander & Co., Ltd., Waterloo Buildings, 53 Waterloo Street, Glasgow, as their agents in Scotland.

Glasgow

The annual report of the Houldsworth homœopathic hospital, Glasgow, states that this form of treatment has made rapid progress in the city, and year by year it is becoming more popular and better understood.

A meeting of the creditors of Mr. W. MacGregor (Northern Apothecaries Hall), 34 Maitland Street, was held recently, when a statement of affairs was submitted which showed liabilities £475 9s. 2d. The assets were estimated to realise £305 18s. 5d. (net, £284 5s. 11d.). The assets consisted of :—Stock-in-trade, £259 8s. 5d.; shop furniture, fittings, etc., £45; cash, £1 10s. The estate showed a dividend of 11s. 11d. in the £, subject to the expenses of realisation. The accountants reported that the debtor had been in business for a number of years. The present position was attributed to bad trade and to the fact that many families had left the district. It was agreed that the assets should be realised under a trust deed.

NEW HUNGARIAN CURRENCY.—The crown is to be replaced in Hungary by a new monetary unit on a gold basis, to be known as the pengö, divided into 100 garas. One kilo of pure gold=3,800 pengö.

A NEW OPTICAL JOURNAL. — Under the title of the "British Journal of Physiological Optics" the first number of a new optical journal, published quarterly by the British Optical Association, has recently been issued. In a foreword it is stated that the journal is intended to be free from political discussion and devoted to the dissemination of optical knowledge. The contents of the current number include reports of lectures on "Near Sight and Civilisation," by Sir Arthur Keith; "The Manufacture of Glass, with Special Reference to Optical Glass," by W. M. Hampton, B.Sc.; "Binocular Vision," by Professor T. H. Pear; "The Manufacture and Manipulation of Tortoise Shell Spectacles," by H. N. Butterworth; and articles on "Some Early Signs of Ocular Disease," by Horace Bracey, M.B., Ch.B.; and "Ocular Muscle Testing," by W. B. Barker, F.B.O.A. (hons.). The editors are the last-named and Mr. J. H. Sutcliffe, O.B.E., F.B.O.A. (hons.).

Irish News

A Big Free State Drug Contract

Mr. Alfred Byrne gave notice in the Dail this week that he would raise the question of the giving of the contract for drugs to a Liverpool firm, involving the dismissal of fifteen or sixteen employees of Boileau & Boyd, Ltd., Dublin, who previously held the contract. Mr. Byrne inquired whether the latter's tender price includes the cost of delivery to the railway station nearest the institutions to be supplied, and whether the Dublin house's tender included the cost of delivery at the institutions, and if the difference was of a sufficient amount to justify the dismissal of fifteen men from the Irish house which lost the contract. The Minister for Local Government, replying to questions in the Dail on November 3, said Boileau & Boyd, Ltd., failed to secure the contract for medicines and drugs to Union Hospitals in the Free State because the tender was higher than that of the Liverpool firm which obtained the contract. When Mr. Goad inqnired if the advisory committee was consulted, Mr. Burke asked for notice of the question. He further stated that prior to the establishment of the combined purchasing scheme various firms, including some outside Ireland, held these contracts. The accepted tenders were as follows, the perceutages quoted indicating the disconnts allowed off the prescribed or standard prices :—Evans Sons Lescher & Webb, Ltd., Liverpool—Delivery at Dublin, 25 per cent.; Cork, 28 per cent.; elsewhere, 25 per cent. Boileau & Boyd, Dublin—Dublin, 15 per cent.; Cork, 13 per cent.; elsewhere, 12½ per cent. The discount of the accepted contractor for places other than Dublin or Cork was, therefore, double that of the Dublin contractor. While a Cork firm—Messrs. Fielding—were prepared to allow 28 per cent. discount for supplies to Cork, the Dublin firm would only allow 15 p.c. for supplies to Dublin. The contractors undertook to deliver to the various institutions, and not merely to the nearest railway station. He was not aware of any delays taking place.

Brevities

For deliberately breaking a window in Mr. Maguire's chemist shop, Talbot Street, Dublin, valued at £14, John Murphy, of dishevelled appearance, was remanded for medical examination.

According to the Journal of the Irish Department of Agriculture, Dublin, Ireland is to-day using less artificial manure than was applied to the land ten years ago. In 1924 the consumption of artificial manures in the Irish Free State was approximately 235,000 tons. While the consumption in Continental countries varies from four tons per 100 acres in France to 5½ tons in Belgium, only 1½ ton is used in Ireland.

A company is being formed with the object of utilising barytes, deposits of which exist in the mountains arouud Sligo. The company will be known as "Barytes (Consolidated) Co., Ltd.," the chairman of which will be Sir Harry S. Foster, F.G.S., F.R.G.S., M.P. for Portsmouth. Mr. Frank Farren and Sir Simon Maddock (Dublin) will be two of the directors. Three other directors will be appointed. The company propose to begin operations in the vicinity of Glencar. about eight miles from Sligo. The district is at present being carefully examined by experts, and it is understood that the Government have been approached regarding the enterprise. In 1913 a company was about to be formed for developing such a scheme, but the outbreak of war postponed the scheme.

Belfast

The proposed Bill to reform the jury system in Northern Ireland will not be proceeded with in the present session of Parliament, an announcement to this effect having been made by the Minister of Home Affairs on October 27. One of the recommendations of Lord Justice Andrews's Commission, on which the Bill was presumably based, is that the exemption from jury service hitherto granted to pharmaceutical chemists should be withdrawn, except in the case of one-man businesses.

Colonial and Foreign News

CONSULAR INVOICES FOR CHILE are no longer required for post parcels not exceeding £5 in value.

GREEK OLIVE OIL EXPORT.—The Greek Government has decided to permit the export of olive oil with an acid value below 3 and over 10. The prohibition of export of oils with an acid value lying between 4 and 10 remains in force.

PROPRIETARY MEDICINES IN GUATEMALA.—From September 1 all proprietary medicines intended for sale in Guatemala must be approved by the Faculty of Pharmacy and Natural Sciences of the Republic prior to being placed on the market. The importation and sale of preparations which have not been registered with the Faculty is prohibited.

INCREASED CUSTOMS REVENUE.—The Director General of Indirect Taxes reports that the revenue collected at the Turkish customs houses during the month of July exceeds by £T.700,000 that of July 1924. This remarkable increase in revenue is not attributable to any considerable influx of imports; it is the result of the effective application of the recently introduced stringent measures to suppress smuggling.

GUATEMALA CUSTOMS CHANGES.—The following new rates of duty were introduced in Guatemala from October 15, in pesos for 1 kilo :—Toilet soaps in powder, perfumed and not perfumed, 1.00; perfumed toilet soaps, all kinds, 2.00; calcined soda, 0.01; essential oils, 3.00; medicated soaps of undisclosed composition, 2.00; caustic potash, potassium carbonate, caustic soda, crude, for the manufacture of soaps, 0.01.

FRANCO-SPANISH MINERAL WATER AGREEMENT.—An agreement has been signed and ratified by the French and Spanish governments for the admission, on a reciprocal basis into either country, of those natural mineral waters officially classed and recognised by either government as being of public utility. The admission of these waters is henceforth permitted without further formality than the payment of the established rate of duty.

QUININE DISTRIBUTION IN BRAZIL.—A resolution has been adopted by the Brazilian National Congress, calling upon the Government to create a State service for the distribution of quinine to the population of malarial zones, similar to the scheme in force in Italy. The Minister of Agriculture, who is to be responsible for the purchase of the necessary supplies of quinine, is urged to investigate the possibility of utilising the bark from native cinchona found between the River Acre and the boundaries of the State of Matto Grosso, and elsewhere in the republic.

PROHIBITION IN NORWAY.—The Norwegian law of 1923 limits the sale of alcoholic beverages to pharmacies, and these can only be delivered on a medical practitioner's prescription in rationed amounts. A recent Royal resolution provides for exceptions in favour of persons suffering from certain affections. Henceforth brandy, etc., in amounts exceeding the established quota may be prescribed, to a maximum allowance of 110 grams of brandy=70 grams of pure alcohol, per diem, in cases of pneumonia, blood poisoning, febrile conditions, cancer, dyspepsia, bronchitis of long standing, asthma, chronic intestinal complaints, diabetes, tuberculosis, and debility in the aged.

ITALIAN CINCHONA PLANTATION.—The Italian quinine monopoly is naturally deeply interested in securing the necessary supplies of raw material, not only as cheaply as possible, but also free from any foreign control. Java newspapers report that the new cinchona plantation at Tjibitoe, which was started three years ago under the management of Maintz & Co., was financed by the Italian Government. The plantation, which covers 1,500 bouws, promises to be one of the largest in the Dutch Indies, and in this connection it is pointed out that the Government plantations, with a total area of 1,230 bouws, yield 10 per cent. of the total output of bark. Work is being actively pushed forward, and already 400 bouws have been planted. An Italian agricultural expert, Signor Cabatini, is on the spot on behalf of the Italian Government, and it is estimated that when the whole area is under cultivation the output will amount to over 1,000,000 kilos of bark, thus enabling Italy to obtain its entire supplies of quinine free from all control by the Amsterdam Kina Bureau.

PHARMACEUTICAL SERVICE IN ROME.—The Prefect of the province of Rome has issued a decree regulating the working hours in pharmacies. In the city, pharmacies must remain open from 7.30 a.m. to 9 p.m. from November to end of March, and from 7 a.m. to 10 p.m. from April to end of October. On Sundays one out of every four pharmacies will open in rotation, in the order established by agreement between the municipal authorities and the Association of Pharmacists. Every closed pharmacy shall exhibit a notice indicating the nearest available business. On other recognised religious and national holidays, pharmacies will close after 1 p.m., except those which remained open on the preceding Sunday. The provision of night service by all pharmacies in rotation is to be established by agreement; failing an arrangement every pharmacy is obliged to make provision for night duty, without necessarily remaining open all night; the businesses providing night service must exhibit a lighted red lamp. In rural communes where there is only one pharmacy, the owner may close on Sundays and holidays at 1 p.m., however, he must make arrangements to be available whenever his services are required, and the same applies to night service. If he works alone, he may not go outside the commune without the approval of the mayor.

CHILEAN SYNDICATE OF PHARMACISTS.—Under this title an organisation has recently been constituted by a number of prominent pharmacists of Santiago, with the object of improving the status of the profession in Chile. According to the statutes, the Syndicate proposes to devote its energies to safeguarding the common as well as individual rights of members of the pharmaceutical profession, to improve their intellectual, moral, social, and economic conditions, to secure an adequate remuneration for managers of pharmacies, and also to enforcing compliance with the provisions of the pharmacy law, particularly in regard to the suppression of the illegal exercise of the profession. In addition, it aims at promoting the development of a national pharmaceutical industry. Further, one of its chief objects is to enlighten the authorities, and also the public, on all matters pertaining to pharmacy, to maintain relations with scientific and industrial societies, in Chile and abroad. Finally, the Syndicate proposes to agitate for the appointment of pharmacists to those government and municipal offices which have to deal with pharmaceutical matters, particularly in regard to professional education, taxation, and the enactment of administrative measures affecting pharmacy.

DISTRIBUTION OF PHARMACIES IN ROME.—According to a list drawn up by the Prefect of Rome, the city has at present 183 pharmacies for a population of 691,643 souls. Since the Italian pharmacy law of 1913 introduced the principle of limiting the number of pharmacies in the ratio of one business to every 5,000 inhabitants, Rome consequently has 56 pharmacies in excess of the quota legally established, which allows a total of 127 businesses. In some quarters of the city the existing number of businesses is far in excess of the statutory proportion, for instance, the rione Campo Marzio has no less than twenty, instead of five, pharmacies, so that fifteen businesses will have to be closed in the course of time, as provided by the provisions of the law. On the other hand, in some parts, particularly in the suburbs, the number of pharmacies actually falls short of the standard. Since the distribution of pharmacies is based on the resident population of each quarter or division, Rome, with 183 instead of the statutory 127 pharmacies, has altogether 78 superfluous, but in thirteen divisions the number is actually below the established quota. Instead of the requisite twenty-two, the Prefect for the present proposes to permit the establishment of twelve new pharmacies in the divisions in question, and invites proprietors of businesses in the pharmaceutically congested areas of the city to submit applications for permission to transfer their pharmacies to one of the quarters where the number is below the established quota.

New Companies
and Company News

P.C. means Private Company and R.O. Registered Office.

COLE & Co. (WIMBLEDON), LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of chemists, druggists, chemical manufacturers and dealers, drysalters, etc. Solicitor: F. W. Wareham, 14 John Street, Adelphi, London, W.C.

ANGLO-SCOTTISH CHEMICAL COMPANY, LTD. (P.C.).—Capital £6,000. Objects: To carry on business as merchants and commission agents, factors and brokers, etc. The directors are: D. D. Binnie, D. R. S. Docherty, W. G. Kerr, and J. C. Maccall. R.O.: 20 Renfield Street, Glasgow.

BARKERS CASH CHEMISTS (CROYDON), LTD. (P.C.).—Capital £300. Objects: To carry on the business of chemists, druggists, herbalists, photographic dealers, opticians, stationers, analysts, perfumers, etc. The directors are E. Skues and C. J. Armstrong. R.O.: 219 Upper Tooting Road, London, S.W.7.

PHARMACOPEIAN FORMULÆ, LTD.—E. J. P. Barlow, 68 Selwyn Avenue, Richmond, was appointed receiver and manager on October 2, under powers contained in debenture dated May 5, 1925.

BORAX CONSOLIDATED.—The directors have declared an interim dividend of 1s. per share, less tax at 4s. 3d. in the £, on the deferred ordinary shares in respect of the year ended September 30, 1925.

A. & F. PEARS, LTD.—The profit for the year to June 30, 1925, was £23,739, making available, with £13,767 brought forward, £97,506. A dividend of 20 per cent. is declared, £7,106 being carried forward.

RADIOMITE CO., LTD.—The statutory first meetings of the creditors and shareholders of this company (in liquidation) were held recently at the Board of Trade Offices, Carey Street, W.C. It was stated that the company was formed in 1924, with a nominal capital of £8,000, to carry on business as manufacturers of and dealers in insoles of boots and shoes, abdominal belts and chest protectors, and to acquire the sole licence for such manufactures, also the trade-mark "Radiomite." Mr. F. N. D. Rosher and his father had discovered that certain minerals in British Columbia possessed radio-active properties, and they promoted this company with the object of exploiting articles possessing those qualities. The company commenced business with a working capital of £380, and a further £200 was subscribed later. Advertising contracts were entered into, but they were unproductive, and left the company in a hopelessly embarrassed position. The accounts showed liabilities £1,176, assets £18, and a deficiency of £3,737 with regard to contributories. The case was left in the hands of the official receiver.

THE THAMES BANK CHEMICAL WORKS, LTD.—A meeting of creditors was held on October 30 at the registered offices of the Company, the liquidator and receiver for the debenture holders (Mr. C. H. Whatley) in the chair. The statement of affairs presented showed liabilities £2,579, 12s. 9d., of which £579 12s. 9d. was due to unsecured creditors. The assets consisted of plant and other items, making total assets of £438 8s. 4d. (net, £370 11s. 1d.). The issued capital of the company amounted to £5,652, so that the deficiency as regarded the shareholders was £7,861 1s. 8d. It was reported that the company was registered in 1923 with a capital of £100. The company manufactured cellulose acetate, a basis for the process of artificial silks, and also made methyl salicylate and amyl acetate. On January 5, 1925, a resolution was passed to increase the capital of the company to £6,000, which was done. On January 30 an agreement was entered into between the company and Mr. K. S. Low whereby certain processes were handed over to the company in exchange for 2,600 fully paid shares, and that agreement was duly registered, together with a letter of nomination. A resolution was passed confirming the appointment of Mr. Whatley as liquidator. Among the creditors are:—Chemical Supply Co., Ltd., £25; Allnutt & Sons, H., £27; Chance & Hunt, Ltd., £19.

Stock Exchange Prices

£1 Shares unless otherwise stated	Dec. 30, 1924	Sept. 30, 1925	Oct. 30, 1925
	s. d.	s. d.	s. d.
Allen & Hanburys, 7% Prefd. Ord.	21 0	21 6	21 0
Amalg. Dental Co. 8% Prefd. Ord.	—	20 0	20 0
" " Deferred 5s. ..	—	7 0	7 6
Apollinaris and Johannis, Ord. £1..	8 9	7 9	8 9
Ayrton, Saunders & Co., 7½% Pref.	15 3	14 0	14 0
Beecham Estates and Pills, 8% cum. Pref.	21 6	22 3	22 6
Benger's Food, Ord...	36 6	34 6	33 9
Boake(A.),Roberts & Co.,5%Pref.£10	£6½	£6¾	£6¼
Boots Pure Drug, Ord.	123 9	146 3	158 9
Boots Pure Drug,7%"A"Prefd.Ord.	23 6	24 0	24 0
Boots Cash Chemists (Southern),6% "A" Pref.	21 6	21 9	21 10½
Borax Conseld., Defd. Ord. ..	43 0	37 0	37 6
Bovril, 6% Pref.	22 6	22 0	22 0
" Ord.	24 0	24 0	24 0
" Defd...	46 9	44 0	46 3
British Celanese, Ord.	8 0	9 0	9 3
" " 7½% Pref. ..	11 0	12 0	13 3
British Cyanides, Ord.	9 3	4 3	4 6
British Dyestuffs Corpn., 7% Pref.	12 9	9 9	10 6
" " " Prefd. Ord.	6 6	3 9	4 6
British Glues and Chemicals, Ord.	4 0	3 0	3 6
" " " 8% Pref.	12 3	15 3	15 0
British Oil and Cake Mills, Ord. ..	24 6	26 3	27 6
British Oxygen, Ord.	35 6	26 6	30 0
British Photographic Industries, 6% Cum. Pref.	5 0	6 3	6 9
Brunner Mond, Ord.	38 9	36 6	38 6
" " 7½% Pref... ..	28 6	27 3	28 3
Bush (W. J.) & Co., 5% Pref. £5	67 0	65 0	65 0
Cadbury Bros., 6% Pref.	24 0	23 3	23 6
Callard, Stewart & Watt, Ord. ..	31 3	32 0	33 0
" " " 5½% Pref.	17 6	17 6	17 6
Crosfield (Joseph) & Sons, 6½% Pref.	20 3	19 6	19 6
Dubarry Perfumery, Ord., 1s. ..	4 6	6 3	8 0
" " 7½% Pref. ..	19 3	18 9	19 6
Eastman Kodak Com.(no Nom.Value)	$118½	$118	$114½
Evans Sons Lescher & Webb, Ord.	5 0	3 0	2 9
" " " 5% Pref.	7 9	5 3	5 3
Field (J. C. & J.), Ord.	16 3	15 0	15 0
" " 7% Pref. ..	20 0	21 3	21 3
Gossage (William), 6½% Pref. ..	19 9	19 6	19 6
Grout & Co., Ord.	50 6	59 0	72 6
Heppells, 7% cum. partic. Pref. ..	17 6	21 0	20 0
Idris & Co., "A" Ord.	17 6	18 9	18 9
Ilford, Ltd., Ord.	24 0	24 9	26 0
" 6% Pref.	19 3	20 0	19 6
Intern. Sponge Importers, 6% Pref.	10 6	9 6	10 0
Kent (G. B.) & Sons, 5½% Pref. ..	13 0	12 6	12 6
Knight (John), 25% Prefd. Ord. ..	63 0	58 6	59 3
Laporte (B.) & Co., Ltd., Ord. ..	—	—	21 3
Lever Bros., Ltd., 7% Pref. ..	21 6	20 6	20 10½
" " 8% Pref. ..	21 3	19 7½	20 3
" " 20% Prefd. Ord. 5s.	11 0	10 6	10 9
Liebig's Ext. of Meat, Ord. £5 ..	£15½	£15½	£15⅝
Mellin's Food, 6% Pref.	12 0	12 0	12 0
Mond Nickel Co., Ord.	44 6	36 3	36 3
" " 7% Cum. Pref. ..	25 6	24 3	25 0
Nathan (Joseph) & Co., 7% Pref.	15 0	13 9	13 9
" " " 8% Prefd Ord.	7 6	5 0	6 10½
National Drug and Chem. Co. of Canada, 6% Pref...	15 0	4 3	4 3
New Transvaal Chemical Co. 6%Pref.	17 6	17 0	16 3
" " " 8%Pref.	21 0	18 9	18 9
Salt Union, Ord.	28 6	28 3	29 3
" Pref.	29 6	29 3	28 6
"Sanitas," The, Co., 9% Pref. ..	25 0	23 9	23 6
Schweppes, Ltd., Ord.	21 0	22 6	22 6
" " Defd.	29 3	34 3	37 0
Smith (Stephen) & Co., 6% Pref. ..	29 6	32 6	32 6
Southall Bros. & Barclay, Ord. ..	57 0	52 6	53 0
" " 5% Pref.	19 0	19 0	19 0
Spratt's Patent, Ord.	40 0	47 6	53 3
Stevenson & Howell, 6¼% Cum. Pref.	20 0	20 0	21 0
United Alkali, Ord.	39 0	32 6	32 0
United Glass Bottle Man., 6% Mt. Deb. Stk., £100	—	£96	£95½
Venesta, Ltd., Ord.	26 6	27 0	33 9
" 7% Pref.	20 0	21 0	21 3
Veno Drug Co., 8% Pref.	—	18 3	18 9
Virol, Ltd., Ord.	82 6	82 6	82 6
" 7% Pref.	23 0	22 9	22 6
White (A. J.), Ltd., Ord. 10s. ..	7 0	8 3	8 6
White (R.) & Sons, 6% Pref. ..	16 9	17 0	16 10½
" " Prefd. Ord. 10s.	6 6	6 9	7 6
Wright, Layman & Umney, 6% Pref.	19 6	18 9	18 9

Action over Henna Powder

At Marylebone County Court, London, on November 3, Fanny Curry, dance instructress, 7 Dyott Street, W.C., sued Mr. C. H. Dixon and Mr. W. Morrell, trading as P. H. Hall, chemist, 13 Clifton Row, Maida Vale, W., for the sum of £100 as damages for breach of warranty. It was stated that in May the plaintiff called at the defendants' shop and purchased a henna powder for the purpose of tinting her hair. At the time of the purchase, she said, there was an express contract warranting that the powder would not be injurious to nor disfigure her hair; however, the warranty was broken in that the henna powder, when mixed with water, disfigured her hair and turned it a dark red colour, discolouring her skin and forehead, and she was affected with dermatitis. The defence was that the composition of the powder was pure and that it was sold to the plaintiff in the ordinary way as a customer.

Plaintiff Cross-Examined

The plaintiff, after giving evidence, was cross-examined by Mr. Walter Frampton, for the defence. She said she called at the defendants' shop later and complained. She did not ask for particulars of the predecessor from whom, she ascertained, the business had been purchased in January, but she asked for particulars of the proprietor of the powder, which were refused. Counsel: Was your husband mentioned?—I do not remember. I did not tell him my husband would come along shortly. Would I be right in suggesting that your hair was always thin?—Never. You were anxious to improve its strength and colour. Did you consult a doctor?—I consulted a medical student who was a dance pupil. The plaintiff added that she had been making £10 weekly by giving dancing lessons, and a further £7 to £10 as a result of visits to night clubs. When asked by the judge about paying income-tax, the plaintiff said she had a family to support. Further cross-examined, she stated that she had a substantial balance at the bank. Counsel: I see you have brought your action in the name of a widow; are you a widow?—Well, yes. Judge Scully: You have mentioned your husband; why do you describe yourself as a widow?—I do not know. Counsel: Where does your husband live?—I shall have to write it down. His Honour: Why should you decline to answer?—I am a widow. His Honour: If you are not married it would be a simple matter to say so. Re-examined, the plaintiff said she had been separated from her husband since 1914, and he contributed nothing towards her support. She had a family, and the eldest was twenty-one.

Other Evidence for the Plaintiff

Marion Nell, another dance instructress, gave evidence that after the plaintiff used the powder she (witness) noticed that her hair was falling out. Counsel: Ladies, especially those engaged in dancing, are usually up to all sorts of tricks with their hair?—Yes. And to be in the fashion the hair looks thin; what do you call that—the Eton crop?—Yes. It does not improve the hair in a good many cases?—No. George Curry, son of the plaintiff, stated that he saw his mother use the powder on her hair. Next morning her head was black in parts and red in parts, and she had a rash on her forehead and neck. Cross-examined, he said his mother was forty-one years of age next May. He had never seen his mother wash her hair with a view of altering its colour. Mordecai Knopp, hairdresser, gave evidence as to the plaintiff going to him to have her hair dressed. At one time her hair was a ruddy colour. When she came to him subsequently to using the powder, she had spots on her neck and patches on her scalp. Mr. Morgan Finucane, a general medical practitioner, stated that he was asked by a firm of solicitors to examine the plaintiff's head. He found a discoloured mark from the back of the skull to the forehead, and there was discolouration from just above the eyebrows. Her hair was very thin. There were no bald spots, and the surface of the scalp itself was healthy. He asked her for the prescription of the medical student, which showed that what he recommended was perfectly sound and proper treatment. This, he thought, a doctor would prescribe for the condition she described and the symptoms at the beginning of that condition. It was a simple ointment used for inflammation of the skin. He was forced to the conclusion that her appearance and the result of his examination were consistent with the story she had told him. The ordinary henna shampoo was sold in thousands for the cleansing of children's hair. Cross-examined, witness said he had never had a case of irritation which he could say arose from henna.

Evidence for the Defence

Dr. Arthur Whitfield, Harley Street, giving evidence for the defence, said he had never found any case of irritation due to the application of henna. In a case in which irritation arose after the application, it might be due to the person and not to the henna. Counsel: So far as you know, is henna ever used except for the red tint in it?—No. The witness, in reply to further questions, said he could only say that a strong solution of ammonia was an irritant. Counsel: Assuming she found next day that she did not care for the effect of the henna and used carbolic soap to wash it off, would that have any effect as an irritant?—Carbolic soap is a distinct irritant. Supposing she wanted to get rid of the colour and used soda water, what effect would that have?—That would depend entirely on the strength. Answering further questions, witness said it was common for a man's hair to get thin on the top of his head, but very uncommon for a woman's.

Mr. Charles Herbert Dixon stated that he was a pharmaceutical chemist and a member of the defendant firm. The business was purchased last January from their predecessor, who went to South Africa. When the shop was taken over there was, roughly, a dozen or so packets of henna powder, and there was some loose in the shop. At the time he did not know who supplied his predecessor, but he knew now. When the plaintiff called at the shop and asked for henna powder she inquired if they had Evan Williams's. He gave her one of his own, and assured her it was good stuff. A fortnight later she complained that it had made her hair red and produced considerable irritation. He asked her how she used it, and she replied that she used it with ammonia. He asked her if she had any of the powder left and if she would bring some of it to the shop, and she said her husband would come to see him about the matter and would bring it, but he did not come. Henna powder was not sold largely. Cross-examined, Mr. Dixon said that loose henna was kept in the shop in a bottle. The packets were labelled "Henna powder." So far as he could recollect, the plaintiff did not ask if the powder would be injurious to her hair. Counsel: Did you tell her to mix it with warm water?—I gave her no directions at all. Mr. Samuel Press, assistant in the employ of the defendant, gave evidence as to the conversation between the last witness and the plaintiff when she complained at the shop. The hearing was adjourned.

French News

From the "C. & D." Paris Correspondent

Professor Perrot has written the preface to M. C. L. Gatin's posthumous "Botanical Dictionary." The author was killed during the late war.

The manufacturer of "Quinby" ampoules prosecuted the makers of similar articles sold under the name of "Rubyl" for fraudulent imitation. The condemnation of the latter was based by the Court on three counts: (1) Similarity in presentation; (2) similarity in the sound of the name "sufficient in itself to mislead an inexperienced buyer"; and (3) the fact that doctors were informed by letter that the newer article was identical chemically and therapeutically with the former, and less than half the price.

Paris Society of Pharmacy.—At the last meeting M. Tiffeneau explained the principal decisions arrived at by the second International Conference on the biological standardisation of medicaments, held at Geneva in September; M. Penau gave an account of the work of the Second International Conference for the Unification of the Formulas of Potent Medicaments, recently held in Brussels, while Professor Grimbert (who attended the same conference as an official delegate of the French Government) spoke on the question of the Latin denominations adopted for the international nomenclature of medicaments. M. Grigaut was elected a resident member of the Society.

Chinese Camphor Industry

THE camphor industry in Foochow is the subject of an interesting report by the United States Vice-Consul, Ernest B. Price, Foochow, China, who, after giving statistics, states that trees fit to be used for camphor distillation must be at least twenty years old. When a suitable tree is found a crude native distillery is set up at the spot. This consists of a boiler, with an iron base and a wooden top, connected to a distilling vat partially filled with water. The camphor, upon being conducted to the vat, precipitates as crystals on the inner walls, while the non-precipitable portions drop down as oil, which floats upon the water. About 5¼ lb. of camphor and camphor oil, in the proportions of 70 per cent. camphor and 30 per cent. camphor oil, can be produced from 240 lb. of chips. The districts where most of this initial distillation is done are Kienning, Yuchi, Yungan, Yenping, Tatien, Shaowu, Shahsien, and Ningte. It is almost impossible to say how many men are engaged in the industry, but there cannot be many. Their wages are equal at the present rate of exchange to about $0.38 a day. The crude product is carried by porters to the Min River, or one of its tributaries, and then carried to Foochow by native boat. Boat hire is approximately $1 per hundred pounds from the interior to Foochow. The markcting of camphor is done very largely through brokers in Hongkong. The distilleries seldom do their own marketing, with the exception of the Japanese and Portuguese. There are also brokers in Foochow able to handle foreign orders in the English language.

It should be borne in mind that the camphor market is an extremely sensitive and dangerous one for the uninitiated. The factors of supply, governmental supervision, freights, stocks in Foochow and Hongkong, and three markets—Foochow, Hongkong, and the foreign market—all enter into the situation. Hence, no better scheme than the brokerage system can be suggested, unless the foreign buyer is prepared either to go into the producing end of it or into the buying and holding of considerable stocks himself. The product as it leaves the distillery in the interior consists of crystals and camphor oil. The crystals are ready for marketing, but the oil is put through a process of redistillation at Foochow. This process is simple, and need not be described here in detail. The effect is to distil from the oil all the remaining camphor; 133 lb. of oil produce 64 lb. of camphor and 27 lb. of oil. The camphor derived from oil is of a cheaper grade than that derived originally from the wood chips. The oil is used as a base for dyes and paints.

There are twelve of these distilleries in Foochow which produce camphor from the oil. They are known as the Yuan Cheng, Hsing Chi, Cheng Chi, Hsiang Chi, Fu Sheng, Hsieh Chi, Kao Fang, and Tao Ho—all Chinese; Ting Te—Portuguese; and Mitsui Bussan Kaisha and Tai Hua—Japanese. When working, each distillery produces on an average of 325 lb. of camphor a day.

The various districts producing camphor have each an official camphor bureau under the control of the Provincial Commissioner of Industry. Each bureau has the authority to collect within the district it covers certain taxes, and to buy camphor trees and distil camphor. In American currency the tax is approximately $6 on every 133 lb. of camphor in transit. The taxes collected and the camphor produced are sent to another Government bureau called the Fukien Government Camphor Industry, Transportation, and Tax Collection Office. Its duties are to take in and turn over to the provincial government the taxes remitted by the various district bureaus and to take in and market the camphor received. There is still a third bureau which has authority to buy camphor oil and distil it into camphor, marketing its product independently. Private producers must take out licences and agree to pay the taxes mentioned above. There is also a licence fee of $2 local currency per month per vat. Foreigners wishing to go or send into the interior to purchase camphor under what is known as the "transit pass" system, permitted by treaty, may still do so. Under this system the foreign exporter may bring the native product to the seaboard and export it to a foreign country by paying the regular 5 per cent. export duty plus a surtax of half the export duty. The foreigner may purchase either from the private producers or from the Government bureau. The effect of the Government bureau system is to tax the product just the same, because the foreigner may not operate his own distillery in the interior, and Government taxes are imposed on the distillery and its product before the foreigner purchases the camphor. Japanese distilleries operating in the city of Foochow are not taxed, according to information given by the Japanese consulate in Foochow. The Government bureau which markets the Government camphor announces that it sells at Hongkong market rates.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Tuesday, November 10

Pharmoceuticol Society of Great Britoin, Lecture Theatre, 16 Bloomsbury Square, London, E.C., at 8 p.m. Evening meeting. Lecture on "Some Useful Plants of India" by Lt.-Col. Sir David Prain, F.R.S., I.M.S. (formerly Director of Royal Botanic Gardens, Kew).

Pharmaceuticol Society of Great Britain (Glosgow and S.W. Scotland Bronch), McLellan Galleries (East Room), 270 Sauchiehall Street, at 7.30 p.m. Address by Mr. H. N. Linstead (Assistant Secretary of the Society).

Wednesday, November 11

Birmingham Pharmaceuticol Associotion, Grand Hotel, at 6.30 p.m. Inaugural meeting, reception, refreshments, and music. Tickets (3s. each) from the secretary. Members free.

Manchester Phormaceutical Associotion, Midland Hotel, at 6.30 p.m. Annual dinner. Reception at 6 to 6.30. Tickets (12s. each) from the secretaries or any member of Council.

Pharmaceutical Society of Greot Britain (Glosgow and S.W. Scotland Branch), Picture House Hall, 121 High Street, Ayr, at 3.30 p.m. Address by Mr. H. N. Linstead (Assistant Secretary of the Society).

Pharmaceuticol Society of Great Britoin (Portsmouth Branch), Goodies Café, Elm Grove, Southsea, at 6.45 p.m. Whist drive and dance. Tickets (3s. each) from Mr. W. H. Bown before November 7.

Thames Volley Pharmacists' Associotion, Kingston Hotel, Kingston-on-Thames, at 2.45 p.m. Mr. J. P. Gilmour, Editor of the "Pharmaceutical Journal," on "Is Pharmacy Played Out?"

Thursday, November 12

Guild of Public Pharmacists, Lipton's, 27 Oxford Street, at 7.30 p.m. Social and whist drive. Tickets (3s. each) from the secretary, Mr. A. H. Jenkin, 64 Wray Crescent, N.4.

Friday, November 13

Pharmoccutical Society of Great Britain (Eastbourne Branch), Chamber of Commerce Rooms, at 8 p.m. Mr. Frank Browno on "The B.P. Codex and its Uses."

LONDON CHEMISTS' SPORTS CLUB.—The annual dinner and dance will be held on November 19 at the Midland Grand Hotel. Tickets (10s. 6d. each) may be obtained from Mr. Wm. E. Swanston (secretary).

LONDON (WESTERN) PHARMACISTS' ASSOCIATION.—The annual dinner will be held at Restaurant Frascati, Oxford Street, W., on November 18 at 7 p.m. Reception at 6.30 p.m. Tickets (12s. 6d. each) from the Hon. Social Secretary, Mr. W. B. Falding, or from any member of the Committee. Evening dress. Ladies specially invited. Early application desirable.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN (NORTH BRITISH BRANCH).—An evening meeting will be held at 36 York Place, Edinburgh, on November 20, at 8 p.m. Paper on "A Botanical Tour in the Himalaya," by W. Wright Smith (Regius Professor of Botany, Edinburgh University).

LEAGUE OF EX-SERVICE PHARMACISTS.—A meeting of the Executive Committee will be held at 17 Bloomsbury Square, London, W.C., on November 25, at 4 p.m. At 8 p.m. a smoking concert will be held at the Imperial Hotel, Southampton Row. Secretary H. A. Hill invites pharmacists to contribute to musical programme. Dinner previous to concert, 8s. Places reserved on application to secretary.

WINDOW DISPLAY AND ITS SELLING POWER.—Reporting on the judging of window displays in the Bingley Shopping Week, concluded on October 31, Mr. W. Culshaw (National Cash Register Co., Ltd.) said that the tendency of window-dressers in these competitions is to give so much attention to artistry that the selling-value aspect is missed.

Italy's Foreign Trade

DURING the first seven months of the present year Italy imported goods to the value of 16,276,160,682 lire, while exports represented a value of 9,961,177,316 lire, the corresponding figures for the same period of 1924 being 10,921,001,227 and 7,526,052,221 lire respectively. It is therefore apparent that the excess of imports over exports from January 1 to July 31 has increased from 3,394,949,006 lire in 1924, to 6,314,983,366 lire in 1925. During this period of 1925 imports from Great Britain totalled 1,642,045,452 lire, while exports to this country amounted to 1,149,365,027 lire. Imports of chemical and medicinal products, resins, colours and tanning materials during the period January to July of this year totalled 737,438 tons, value 989,521,269 lire (1924 : 639,101 tons); exports figuring with 98,796 tons, value 318,965,962 lire (1924 : 81,278 tons). It is interesting to note that Italy's exports of essential oils, perfumes, soaps, and candles accounted for 71,532,684 lire, medicinal goods and pharmaceutical products for 34,647,956 lire, and organic chemicals for 94,944,170 lire. Fluctuations within fairly wide limits will, in the case of some products, be found in the following table, which gives the amounts, in kilos, of Italy's foreign trade in goods of interest to our readers, with special reference to trade with Great Britain and the Empire, during the period January 1 to July 31, 1924 and 1925 :—

	Imports		Exports	
	1924	1925	1924	1925
	Kilos.	Kilos.	Kilos.	Kilos.
Alkaloids and salts, n.o.c.*	5,253	7,235	244	411
Almonds	251,800	415,800	8,388,300	8,232,500
Great Britain	—	—	334,300	618,900
Brit. India & Colonies	—	—	882,400	442,300
Australia	—	—	319,500	516,300
Aloes	23,700	25,400	—	1,300
Arsenobenzols	611	372	—	1,550
Benzoic acid	800	—	100	100
Bismuth nitrate	1,200	1,500	—	—
Borax	432,400	542,900	4,700	1,600
Boric acid, crude	—	3,000	60,000	41,000
Boric acid, refined	41,900	100	839,100	930,800
Bromides, metallic	19,300	18,600	—	300
Bromine	500	2,600	—	—
Calcium citrate	—	104,400	2,642,800	2,860,500
Great Britain	—	—	1,215,700	1,427,500
Camphor	45,800	121,600	500	100
Castor oil	259,400	33,600	91,200	182,700
Caustic potash	601,900	1,172,100	5,300	1,800
Caustic soda	9,418,300	15,130,300	252,200	120,800
Great Britain	569,400	286,000	—	—
Chloroform	4,500	6,100	700	200
Cinchona	48,700	41,700	—	400
Citric acid	3,000	600	1,206,800	1,832,400
Great Britain	—	—	209,900	288,500
Cocoa butter	326,900	177,400	600	1,500
Copper sulphate	4,899,400	8,603,500	2,758,600	4,806,200
Great Britain	—	8,131,000	—	—
Cream of tartar	6,700	—	266,100	535,400
Great Britain	—	—	216,700	390,700
Ireland	—	—	6,000	2,000
Glycerin, crude	30,000	273,800	31,400	44,600
Glycerin, refined	6,500	152,600	12,400	1,600
Hydrogen peroxide	89,300	131,300	900	100
Iodides, metallic	11,400	11,400	500	200
Iodine	20,700	22,200	200	100
Iodoform	200	700	—	400
Lactic acid	400	7,900	2,000	330,400
Liquorice juice	2,200	5,200	572,600	533,800
Great Britain	—	—	104,600	105,700
Australia	—	—	13,600	22,100
Liquorice root	641,300	438,600	202,200	111,000
Great Britain	—	—	30,000	13,900
Manna	100	—	72,900	126,500
Medicinal plants :—				
Native	464,300	475,500	1,050,600	1,203,200
Exotic	243,300	402,500	28,800	9,400
Great Britain	—	—	45,400	65,000
Medicinal specialities	71,400	81,300	212,500	262,800
Medicines, synthetic	32,242	50,154	4,779	8,097
Mercuric chloride	100	100	9,500	12,200
Mercury	—	—	807,800	854,500
Great Britain	—	—	213,500	141,600
Hong Kong	—	—	51,700	50,600
Brit. India & Colonies	—	—	16,600	39,400
Milk sugar	1,400	700	70,500	28,300
Oils, citrus (total)	930	961	772,765	825,857
Great Britain	—	—	229,986	225,122
Brit. India & Colonies	—	—	1,107	2,365
Australia	—	—	22,383	16,632
Canada	—	—	6,450	3,192
Oils, essential, n.o.c.*	26,210	25,743	14 073	7,945
Oil of bergamot	—	—	111,630	131,663
Oil of cloves	410	101	2,000	—
Oil of lemon	—	—	582,346	614,714
Oil of mandarin	—	—	2,560	2,128
Oil of orange	—	—	74,250	76,679
Oil of peppermint	579	2,795	6,191	2,890
Oil of rose	156	33	2	88
Oils, terpeneless	381	457	575	1,644
Olive oil	84,500	152,500	24,104,200	29,913,500
Great Britain (edible)	—	—	454,000	454,500
Opium	574	1,083	156	23
Oxalic acid	142,700	134,600	300	200
Pepper	1,279,900	1,036,800	400	500
Brit. India & Colonies	1,124,300	928,700	—	—
Straits Settlements	115,400	80,100	—	—
Perfumes, alcoholic	52,600	52,100	20,400	25,400
Perfumes, non-alcoholic	174,800	193,200	28,600	13,800
Great Britain	12,100	14,000	—	—
Perfumes, synthetic	41,984	60,293	1,491	1,618
Pharmaceutical products, compound :				
Pills, tablets, capsules, granules	4,000	6,200	19,200	24,000
Others	15,300	23,200	72,200	61,800
Pharmaceutical products, uncompounded	41,600	23,300	99,900	120,800
Phenol, crude	91,300	129,400	5,900	4,500
Phenol, pure	126,400	56,000	2,600	3,400
Quinine and other cinchona bases	814	1,025	160	2,346
Quinine sulphate	65,489	6,835	256	1,165
Quinine salts, n.o.c.*	3,205	2,092	—	—
Resorcin	7,400	6,400	—	—
Saffron	2,871	70	509	814
Salicylates and benzoates, n.o.c.*	10,300	15,600	3,300	17,300
Salicylic acid	46,400	45,500	—	10,000
Secret remedies	80,500	80,200	7,400	8,900
Soaps, common	1,734,900	1,500,800	1,455,200	1,872,300
Great Britain	97,900	34,400	311,400	220,400
Malta	—	—	—	181,200
Brit. India & Colonies	—	—	30,500	20,400
Australia	—	—	—	8,100
Sodium bicarbonate	1,852,200	1,685,200	41,200	28,400
Spermaceti	12,000	2,000	—	500
Sulphur (tons)	40	7	168,005	143,623
Great Britain	—	—	47,673	41,211
Ireland	—	—	85	5
Brit. India & Colonies	—	—	6,491	2,951
Australia	—	—	3,688	397
Brit. South Africa	—	—	4,884	1,105
Tartar, crude	1,084,000	1,095,400	5,864,800	4,771,400
Great Britain	—	—	2,265,900	2,244,200
Tartaric acid	21,200	5,100	1,744,800	1,990,300
Great Britain	—	—	362,200	333,400
Brit. India & Colonies	—	—	60,100	57,700
Palestine	—	—	9,300	14,100
Australia	—	—	300	2,700
Canada	—	—	11,900	10,700
Terpenes	7	—	16	1,255

* n.o.c. = Not otherwise enumerated.

Recent Patents

Abstracts of specifications of recently-granted patents for inventions. The complete specification (1s. each including postage) of any British patent can be obtained from the Patent Office, 25 Southampton Buildings, London, W.C.2, on quoting the name of the patentee and the number of the patent.

Complexion Cream.—A preparation composed of precipitated chalk, glycerin, rose water, spermaceti, sweet almond oil and a perfume. (Ida Stewart. 240,578.)

Tooth Paste Containers.—A roller constructed from folded sheet metal for fixing to the normally flattened closed end of a tube and so constructed that it is wound up on the tube as the paste is used up. (G. Page. 240,590.)

Hair Brush and Comb.—A combined hair brush and comb, comprising a double comb made in one piece forming a fixed cover on the brush board, the two sets of teeth projecting laterally with a slight upward inclination. (A. Laitner. 234,077.)

Drying Safety Razors.—An apparatus provided with a gearing and a crank, by means of which the safety razor can be rapidly rotated around the longitudinal axis of the shaft by which it is held, causing the water to be thrown off. (C. E. Lindgren and G. K. V. Johanson. 238,224.)

College Notes

WELSH COLLEGE OF PHARMACY

THE re-opening of the Welsh College of Pharmacy for the present session took place on October 28, when there was a gathering of past and present students, and pharmacists from the neighbourhood who take interest in the progress made at this College. The chair was occupied by Alderman A. G. Howell (chairman of the Technical Instruction Committee). Among those present were : Principal Coles, B.Sc., Mr. Saville Peck, Councillor R. G. H. Snook (Deputy Lord Mayor), Councillor H. M. Lloyd, J.P. (Merthyr), Councillor Rhoda Parker, Councillor Francis Phillips, J.P. (Haverfordwest), Mr. J. J. Jackson (Director of Education), Mr. H. S. Arnold (Cwmavon), Mr. Frank Fifoot, Mr. Alec S. Johnson, Mr. Thomas (Aberdare), (Members of the Pharmacy Advisory Committee), Mr. B. B. Skirrow, H. M. of Schools, and Mr. S. H. Willis (President of the Cardiff Pharmacists' Association). Principal Coles, in the course of his report, said that the College had intimated its intention of applying for recognition of the external B. Pharm. degree of the University of London when particulars became available. The Board of Education had agreed to the extension of the department, and in about one year's time a new dispensing laboratory, a manufacturing laboratory, a completely equipped biological laboratory, together with a lecture theatre, would be at the disposal of the pharmacy department. He stated that this year 73 students were enrolled, an increase on any preceding year, but another 33 had to be refused owing to lack of accommodation. The Deputy Lord Mayor then presented the prizes to the successful students :—Hubert J. Gatehouse, *Prize for best general work,* presented by Mr. F. D. Phillips, J.P., M.P.S. (Haverfordwest); T. E. Evans, *Materia Medica prize,* presented by Mr. S. H. Willis (President Cardiff Pharmacists' Association); C. G. Grundy, *dispensing prize,* presented by Mr. A. S. Johnson; R. Melville, "*Major*" *prize,* presented by the Council of the Pharmaceutical Society of Great Britain; Miss K. Metcalfe and R. Melville, divided, £5 *prize in cash,* presented by Councillor H. M. Lloyd, of Merthyr, to the "first student of this College passing the Major examination"; H. A. Perkins, *bronze medal,* presented by the South Wales Section of the Retail Pharmacists' Union; E. I. Parrish, *silver medal,* presented by the South Wales Section of the Retail Pharmacists' Union. The sessional address was afterwards delivered by Mr. Saville Peck, M.A., who first referred to his previous visit to Cardiff, and said that he left encouraged and buoyed up with the hope that with improved educational facilities and thorough training pharmacy would one day become a profession alongside with medicine. Is all this increased education wanted? Is it not being overdone? Of what value is it to the pharmacist? In pharmacy as in other professions much of the work which has to be done is not used in subsequent practice, but it must not be overlooked that the Privy Council, who have entrusted to pharmacists the responsibility of the distribution of poisons, insist upon a high standard of training. The speaker went on to refer to the attributes of a good school and of a teacher, and advised students to have humility, to be industrious, and to exercise self-discipline. There is no royal road to learning. There is an inevitable struggle between duty and inclination, and a good student is a good sportsman. A pharmacist serves mankind, and if students would realise this great fact it would more than make up for disappointments that may arise. Votes of thanks to Mr. Peck and Alderman A. G. Howell were carried, the following gentlemen acting as the speakers : Messrs. H. M. Lloyd, A. S. Johnson, H. S. Arnold, and S. H. Willis. The whole company were entertained to tea by the Pharmacy Club of the College. During the evening a meeting of the ex-Service men was held at the College, when Mr. Peck gave a *résumé* of the progress of the League of ex-Service Pharmacists.

MISS MARY CHECKEITS, chemist and druggist, dispenser at the Northern Hospital of the Metropolitan Asylums Board, London, N., has been granted a pension, after thirty-one years' service.

Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist & Druggist,' 42 Cannon St., London, E.C.4."

QUALITATIVE ANALYSIS

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture may contain metallic and acidic radicals occurring in the British Pharmacopœia, or any of the commoner radicals not mentioned in that work, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by *a stamped and addressed envelope,* not a stamp merely) will be received up to Tuesday, November 10, on which day the samples will be posted. Students' reports will be received up to Saturday, November 21. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analyis announced above forms the opening exercise in

THE ANALYTICAL TOURNAMENT

for the current winter session. Students may forward six stamped addressed envelopes (marked on the top "Corner for Students"), to be utilised month by month for the "salts." We offer special certificates and prizes for the best series of reports submitted on the exercises to be set from November 1925 to April 1926 inclusive. The awards will be made to the students who obtain the highest aggregates of marks for their reports upon the whole six exercises, and will comprise :—

First Prize.—Certificate of honour and books to the value of three guineas.

Second Prize.—Certificate of honour and books to the value of two guineas.

Third Prize.—Certificate of honour and books to the value of one guinea.

The competition is open to all pharmacy students who have not passed the Major examination in Great Britain or the Licence examination in Ireland. Former tournament prize-winners are disqualified from taking a tournament prize, unless it be a superior one to that previously gained. Besides the tournament prizes, the usual monthly awards will be made to junior students, viz. :—

First Prize.—Books to the value of 15s. or thereabouts.

Second Prize.—Books to the value of 7s. 6d. or thereabouts.

These monthly prizes will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact *must be attested on their reports.* Students who adopt a *nom de plume* must adhere to it throughout the tournament.

PRESENTATION TO MR. DALE.—A pleasant little function took place in the offices of Lennon, Ltd., recently, at Cape Town, when a presentation was made to the manager, Mr. D. Dale, who is leaving to take up the position of manager of the company's Durban branch. Mr. Bridger, who made the presentation on behalf of the staff, complimented Mr. Dale on his successful pilotage of the business through the difficult years succeeding the war, and thanked him for the consideration he had always shown the employees of the firm. Mr. Dale was the President of the Associated Pharmaceutical Societies of South Africa during the trying time that the Patent Medicine Tax was in force, and was largely instrumental in bringing pressure to bear which eventually led to its removal.

Retail Pharmacists' Union

A JOINT meeting of the Retail Pharmacists' Union and Chemists' Defence Association was held at 19 Tavistock Square, London, W.C.1, on October 27 and 28, Mr. J. Hague in the chair. There were also present: Messrs. Clubb, Forster, French, Gilleghan, Hardy, Jackson, Keall, Keith, Marshall, Martin, Melhuish, Phillips, Rowsell, Scholes, Tranmer, Young, and the secretary.

The Executive discussed difficulties arising out of the labelling of disinfectants which contained scheduled poisons. It was decided to communicate with the Pharmaceutical Society on this matter. A suggestion was considered that all poisons should be wrapped in special paper to provide an extra safeguard for powders and other solid substances. The secretary was instructed to make further inquiries in regard to this matter.

A report was received regarding inquiries into the working of infant welfare clinics. Inquiries showed that there is less abuse of the clinics than was formerly the case, and that greater care is being taken with the administration of the clinics. There is, however, abundant proof that the clinics did compete to a certain extent with the private trader.

The secretary was authorised to make inquiries as to the prevalence of the practice by Co-operative Societies of giving dividends on Insurance prescriptions. Other Insurance matters dealt with were the basis of the prices for appliances, the testing of dispensing scheme, and Insurance ophthalmic treatment.

At the meeting of the Chemists' Defence Association authority was given to assist in the defence of a chemist against whom a writ in the High Court had been issued appealing against a judgment for debt owing by a nursing home proprietor. Also to assist in an action against an advertisement contractor who is alleged to have broken his contract with a member in circumstances which made the issue a matter of general interest.

Bankruptcy Reports

Re Charles Albert Walter Rawlinson, Hartsholme Drive, Lincoln, previously of High Street, managing director of Parker & Rawlinson, Ltd., chemists.—The public examination of this debtor was held recently at Lincoln. In reply to questions, he said that after war service in France and in the Indian Army he came to England in 1919, and worked for his father in the chemist's business in the city. His father died in 1921, and the business was turned into a limited liability concern, with himself as managing director, but it was not successful under his control. He admitted having gambled, but said he thought he had been on the winning side. He went to a moneylender and borrowed various amounts. He was now in receipt of a pension from the Indian Army of £126 a year, and was awaiting a decision as to whether it would be revised, but there was no prospect of an increase. The examination was closed.

Re Matthew McDonald, Donegall Street, Belfast, pharmaceutical chemist (*C. & D.*, September 12, p. 367).—In the Ulster Bankruptcy Court, before Lord Justice Andrews, on October 30, Mr. P. L. McCorry applied that the bankrupt might be at liberty to surrender two policies of life insurance, which were taken out by him on the lives of his two sons. Counsel said the money was payable to the children themselves on attaining the age of twenty-one, but they were still minors. The insurance company had agreed to make an *ex gratia* payment of the surrender value (£94) to the bankrupt himself. The judge gave permission to the official assignee to give a formal receipt for the money, but stated that this receipt must contain nothing further. He suggested that the bankrupt's solicitor should see if the matter could be satisfactorily adjusted in regard to the receipt, after which he would deal with the matter at any time it was brought to his notice.

Associations' Winter Session

Belfast.—Under the auspices of the Ulster Retail Drug Trade Association a lecture was given recently in the Shaftesbury, Donegall Place, Belfast, by Dr. Stanley White, London, his subject being *The Manufacture of Serum and Vaccine*. Lieut.-Colonel W. R. Dawson, M.D., O.B.E., chief medical officer, Ministry of Home Affairs, was in the chair. The lecture was illustrated with lantern slides. In the discussion which ensued Dr. Trimble, chief tuberculosis officer, Dr. Houston and Dr. Burns raised some points which were dealt with by the lecturer.

Birkenhead.—A meeting of the Birkenhead and Wirral Pharmacists' Association was held on October 28, the President (Mr. W. G. Snow) in the chair. Mr. C. W. Cooke, Hoylake, gave an address on *The Humour, Pathos and Romance of Chemical Progress*. Progress could not be measured in terms of wealth so much as in terms of deeds, no country giving money as the predominating feature of history. Mr. Cooke said that it had been a hard job to find much humour on the subject of chemical progress, but pathos was abundant. Of this he gave examples. The advance of chemical progress had been rapid, especially during the last fifty years, when synthetic preparations came into prominence. An instance was the synthetic preparation of indigo blue, which formed one of the staple industries of several Continental countries.

Edinburgh.—The annual meeting of the Edinburgh Chemists' Trade Association was held in the Pharmaceutical Society's House, 36 York Place, Edinburgh, on October 30, Mr. J. B. Mitchell in the chair. Miss Boag, secretary, submitted correspondence with the Chief Constable regarding complaints of non-compliance with the seven o'clock closing order for chemists' shops in the city. The chairman said he had been officially informed that offenders would be promptly dealt with. Mr. Hall thought it might imperil the boon of an early closing order if they allowed any departure from its strict provisions. Mr. Nesbit said the Leith closing order, which was obtained prior to the amalgamation of the burgh to the city, contained a proviso under which early closing could be suspended during the Christmas and New Year period. In a further discussion the opinion was expressed that chemists should close on the statutory holiday and also close on the half-holiday. Those who had followed this plan said they found it worked satisfactorily. Mr. J. S. B. Heddle, treasurer, submitted the financial statement, and was congratulated on showing a satisfactory balance in hand. He also reported an increased membership. The chairman reported that, as instructed, he had made inquiry as to the system under which the City Public Health Department provided medicines and appliances required in the Department of Child Welfare. He found they had a fully-equipped Central Municipal Dispensary, where all pharmaceutical work was done under the supervision of a fully qualified pharmacist in accordance with the provisions of the Pharmacy Acts. In connection with the supply of medicines for Post Office employees and the city police, there had been no change regarding the former, but in regard to the latter additional pharmacists in different districts had been arranged for. It was agreed to hold the usual Burns dinner in January, and that occasion should be taken to make a collection for the Orphan Fund of the Pharmaceutical Society. The following were elected office-bearers for the ensuing year:—*Chairman*, James B. Mitchell; *Vice-Chairman*, John Noble; *Secretary*, Miss A. St. Clair Boag, 29 London Road; *Treasurer*, James S. B. Heddle; *Committee*, Messrs. Adamson, Boa, Clark, Hall and Hunter.

West Kent.—At a recent meeting of the West Kent Pharmacists' Association, Mr. Allan Bone (who was thanked for his past services) was re-elected *President*, Messrs. Davenport and Francis *Vice-Presidents*, Mr. Pinchen *Treasurer*, and Mr. Pring *Secretary*. The annual dinner will be held at Beckenham on November 25.

Trade-marks Applied for

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1925, p. 289.

(From "The Trade-marks Journal," October 28, 1925.)

"VACCINS PASTEUR" with device, including animals' heads, medals, and words, "Omnia Mala Scientia Vincet" (animals' heads and "Pasteur" disclaimed); for veterinary vaccines (2). By F. A. Grosley, 5 Rue Saint Amand, Paris. 460,433.

"LYSOTOL"; for disinfectants (2). By The Freesol Co., Ltd., 6 Hardwidge Street, Snow's Fields, London, S.E.1. 461,583.

"ANTISEMAL"; for medicated pessaries (3). By A. J. McWaters, 60 Victoria Street. Liverpool. 460,791.

"PERICHOLAN"; for all goods (3). By A. Boehringer, 65 Bingerstrasse, Nieder-Ingelheim-am-Rhein, Germany. 453,276.

"CLARISSA" with device of sword cutting bandage and words, "Well Cut"; for bandages, etc. (3). By J. Bury & Co., Ltd., Union Mill, Spring Hill, Accrington, Lancashire. 460,202. (Associated.)

"ANTI-ITIS" in device form over two eyes; for liniments, etc. (3). By T. A. Kennion, The Maples, Brocket Road, Hoddesdon, Herts. 460,417.

"OLD TIMERS' COUGH DROPS" with picture of seated man and woman; for cough drops (3). By O. Tinegate, 113 St. George's Road, Bolton, Lancs. 461,135.

"BISERIRTE"; for medicinal chemicals (3). By Bismag, Ltd., 7 Wybert Street, Munster Square, London, N.W.1. 461,644. (Associated.)

"W. HUDSON" facsimile signature; for medicinal chemicals (3). By W. Hudson, Lumley Road, Skegness. 462,308.

"EUVOX"; for medicinal chemicals (3). By Pasmore Cassidy, Ltd., 93 Mortimer Street, London, W.1. 462,643.

"ANTI ACIDO" with facsimile signature "Robert Conn," directions, etc. ("Anti Acido" disclaimed); for a medicine (3). By R. Conn, 40 Dowling Street, Dunedin, N.Z. 461,372. (Associated.)

"WALTON'S STORES, LIMITED, GLASGOW," and picture of woman at washing tub. "WALTON'S STORES, LTD.," on device of brick wall; for goods (47) and for soaps (48). By Walton's Stores, Ltd., 224 St. Vincent Street, Glasgow. 461,774/775/776/777. (Associated.)

"CONDITOL"; for all goods (47). By J. F. Moseley, 62 Whitby Road, Fallowfield, Manchester. 462,504.

"PEROXYN"; for goods (48). By E. T. Pearson & Co., Ltd., 35 Gordon Square, London, W.C.1. 461,636. (Associated.)

"PARFUMERIE DE LA SOCIÉTÉ HYGIÉNIQUE COTTAN" with address of applicants; for perfumery, etc. (48). By Porte et Compagnie, 40 Rue de Chateaudun, Paris. B445,630.

"GREAT HIT" with device of medallion bearing heart pierced with arrow; for perfumery, etc. (48). By Delespa-Werke Gesellschaft mit Beschränkter Haftung, Friesen Strasse, Delmenhorst bei Bremen, Germany. 456,129.

"NUVEL"; for shaving and face creams (48). By J. Durst, 4 Seedley View Road, Seedley, Lancs. 462,181.

"TREASURETTE"; for all goods (48). By F. Buckler, Ltd., Castle Works, Mount Pleasant Road, Tottenham, N.17. 462,413.

"FELIX" over fantastic picture of cat: for goods (50). By Pat Sullivan, 1947 Broadway, New York, U.S.A. 460 388.

"THE BASIL"; for hair combs (50). By F. W. Punfield, 57 Basinghall Street, London, E.C.2. 462,362.

(From "The Trade-marks Journal," November 4, 1925.)

"GENOXIDE"; for hydrogen peroxide (1). By B. Laporte, Ltd., Kingsway, Luton, Bedfordshire. 458,149. (Associated.)

"HYDROSITE"; for hydrosulphite of soda (1). By Stockport United Chemical Co., Ltd., Buxton Road Works, Stockport. 461,592.

"CELVALAC"; for chemicals (1). By Greenhill & Sons, Ltd., 23 Water Lane, Ludgate Hill, London, E.C.4. 461,764.

"RAPIDOGEN"; for all goods (1). By Chemische Fabrik Griesheim Elektron, 31 Gutleutstrasse, Frankfurt-am-Main, Germany. 461,868.

"RAMCOL"; for disinfectants (2). By J. Stephen, 3 Balham Grove, Balham, London, S.W.12. 462,561. (Associated.)

"PEP"; for disinfectants (2), and for soaps (3, 47 and 48). By C. H. Parsons & Brother, Ltd., 9 Whitehall Road, Leeds. 462,619/620/621/622. (Associated.)

"CORYMBINE"; for chemicals (2). "POTENTINE"; for medicinal chemicals (3). By Crown Chemical Co., Ltd., 52 Crutched Friars, London, E.C.3. 462,795/796.

"ROSTHETIC"; for anæsthetics (3). By Bert Rosen, 6 Summerhill Terrace, Newcastle-on-Tyne. 452,184.

"VISCO-SERUM"; for medicinal serums (3). By G. Fermé, 55 Boulevard de Strasbourg Xe, Paris. 461,346.

"SKLEROLRUP" on label device, including shield bearing animal's head, and facsimile signature, "Prof. Dr. Vlad. Mladejovsky" ("Prof. Dr. Vl. Mladejovsky" and signature disclaimed); for a medicine (3). By "Mariatherma" Továrna Lucebnin a Leciv V Marianskych Láznich Akciová Spolecnost, 137 Usevice, Marianské Lázne, Czecho-Slovakia. 455,071.

"NAZOL"; for a medicated paste for catarrh, etc. (3). By United Chemists' Association, Ltd., Priory Court, Cheltenham. B461,391.

"YEAST-VITE"; for medicinal preparations of yeast (3). By Keene's Trading Co., Ltd., Cecil House, Holborn Viaduct, London, E.C.1. 461,971.

"K.O.2" and view of Worcester on label device ("K.O.2" disclaimed); for medicated sweetmeats (3). By The Medicated Sweet Co., 71 Northfield Street, Worcester. 462,361.

"MILKOMAG"; for medicinal chemicals (3) and for perfumery, etc. (48). By Proprietary Agencies, Ltd., 179-181 Acton Vale, London, W.3. 462,536/537. (Associated.)

"MALOPEXS"; for food substances (42). By H. Thompson & Co.'s Idolice Specialities, Ltd., 10 Prospect Row, Birmingham. 462,598.

"HENCOLA"; for shampoo powders (48). By Gerard Brothers, Ltd., The Soap Works, New Basford, Nottingham. 457,937.

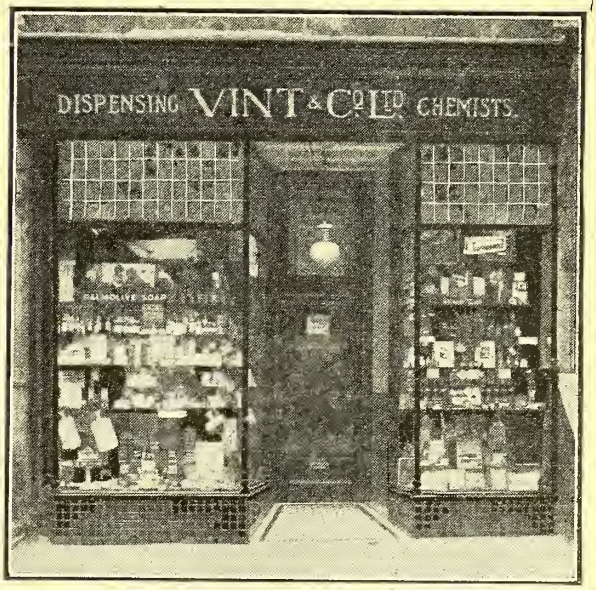
"DOROTHY VERNON"; for perfumery, etc. (48). By F. White, 49 Lyndhurst Road, Luton, Bedfordshire. 461,631.

"LANGDEAU"; for perfumery, etc. (48). By M. J. Langdon, 32 Westland Avenue, Boston, Mass., U.S.A. 461,671.

Business Changes

MR. W. H. THOMASON, chemist and druggist, has taken over the business of Mr. W. R. Knowles, Ph.C., 59 Market Street, Earlestown, Lancs.

THE branch of Vint & Co., Ltd., at 144 Queen's Road, Hastings (formerly a private residence), has been fitted with a double front, giving additional space for display.



Bainbridge & Son, shopfitters, Eastbourne, carried out the refitting and renovating. The pharmacy is under the management of Mr. W. H. Slade, chemist and druggist, formerly of Liverpool and Manchester.

MR. WILLIAM J. PEARSON, chemist and druggist, has removed from 1 Victoria Road, Woolston, Southampton, to 35 Portsmouth Road, Woolston. Mr. Pearson will shortly open a new pharmacy at 66 The Avenue, Southampton, where he intends to reside.

Festivities

Musical Evening and Whist Drive

THE Lancaster and Kendal Branch of the Pharmaceutical Society held an enjoyable musical evening and whist drive on October 28. About sixty were present. Mr. W. A. Smith was M.C. for whist, the winners being :— *Ladies* : Miss Summers, Miss Mercer, and Mrs. Wilson. *Gentlemen* : Messrs. Trafford, Althrop, and Eastwood. Refreshments were served, and a musical programme was afterwards rendered by Mr. T. Hurst Moffatt, Miss A. Armistead, Mr. Robertson, Mr. Taylor, and Miss Campbell, who acted as the accompanist. Mr. A. H. Robertson presided over the entertainment.

Dinner at Portsmouth

AT the annual dinner of the Portsmouth Pharmacists' Association, held at the Goodies Café on October 28, about fifty ladies and gentlemen attended, including Mr. F. E. Bilson, Vice-President of the Pharmaceutical Society. Mr. and Mrs. W. H. Bown presided, and the proceedings throughout were most enjoyable. Mr. Bilson, replying to the toast of "The Pharmaceutical Society," proposed by Mr. T. O. Barlow, touched on a few historical facts and matters of current policy. Much effort, he said, had recently been expended in overhauling the educational system, and they were now committed to the pathological laboratory, which would cost a lot of money. The labelling of poisonous drugs would not prove to be very irksome, and it might bring the sale back to the chemist of many substances now dealt with outside. The heroin regulation had nothing to do with the Pharmaceutical Society; that was an international matter. Then there was the proposed Patent Medicine Bill which the doctors were determined to bring before the House at an early opportunity, and in this regard he could only say it would have to be watched very carefully. Mr. Bilson proposed the toast of "The Portsmouth Branch," and thanked the members for their support. Mr. W. H. Bown, the new chairman, responded. Other toasts were "The Retiring Chairman," proposed by Alderman F. G. Foster, J.P.; "The Visitors," proposed by Councillor W. J. Lewis, acknowledged by Mr. Sawyer; and "The Ladies," given by Mr. C. H. Baker, responder, Mrs. W. J. Roberts. The professional artists were ably supported by Messrs. Duval and Peter Irvine, the latter's Scottish sketches bringing "doon the house."

London Ucalites' Dinner

THE annual dinner of the Federation of Ucalites, London Branch, was held at the Hotel Great Central, N.W., on October 29, under the genial chairmanship of Mr. G. W. Evans (President), who, with Mrs. Evans, J.P., held a reception prior to the dinner itself. Among those who accepted invitations were the Mayor and Mayoress of Hammersmith, Dr. and Mrs. Burnhill, Mr. C. H. Griffiths, Mr. J. Hearle, Alderman Alfred Higgs, J.P., Mr. J. Gilbert Jackson, Mr. A. R. Keith, Mrs. Lamb, Mr. Harold Miller, Mrs. Herbert Skinner, Mr. R. Waller, and Mr. C. M. Warner (Wolverhampton). These were placed to the right and left of the President at the head table; and among the general company (which numbered nearly 200) were Mr. Dan Davies (secretary), Mr. J. Downing, Mr. J. P. Ellerington (President of the Western Pharmacists' Association), Mr. C. W. N. Fox, Mr. F. Giles, Mr. L. Kirkpatrick (treasurer), Mr. J. Milner, Mr. L. J. Morson, Mr. John Royle, Mr. G. A. Tocher, and Mr. J. T. Walters. A dance band played during dinner, and the speeches that followed were interspersed with vocal music. Alderman Higgs submitted the first toast, "The United Chemists' Association, Federation of Ucalities and London Branch," the tripartite nature of which proved mirthful enough under his dexterous treatment. In more serious vein, Alderman Higgs paid tribute to the chairman (who has been secretary of the London Branch since its inception), Mr. Harold Miller, Mr. J. Gilbert Jackson, Mr. C. H. Griffiths, Mr. J. Hearle, and Mr. Dan Davies. The chairman, who was received with loud applause, remarked that Ucal, which started in a modest way, had now nearly 5,000 chemists linked up with it. In acknowledging the coupling of his name with the toast, he asked for a larger attendance at ordinary meetings. Mr. C. M. Warner, who also replied, urged that the organisation of the London Branch should be used to the fullest extent. Ucal, he added, believed in the slogan, "Be British—buy British." The other toast, "The Ladies and Visitors," was briefly proposed by Mr. D. Andrew Rees (Vice-President), and humorously responded to by Alderman Marshall Hays, J.P., L.C.C. (Mayor of Hammersmith). Shortly after 9.30 the members and visitors commenced dancing or whist, according to choice, thus rounding off a highly successful evening.

Reigate and Redhill Chemists' Dinner

THE annual dinner of the Reigate and Redhill Branch of the Pharmaceutical Society and the Reigate, Redhill and District Pharmacists' Association was held at the White Hart Hotel, Reigate, on October 28, Mr. W. H. Fowler in the chair. The chief guest was Sir William Glyn-Jones (secretary of the Pharmaceutical Society), and there were also present, besides over fifty members and others, Lady Glyn-Jones, the Mayor of Reigate (Alderman C. E. Woodroffe, J.P.), the Mayoress, Mr. E. Scears (chairman, Reigate and Redhill Chamber of Commerce) and Mrs. Scears, Mr. H. Hocken (secretary) and Mrs. Hocken, Mr. and Mrs. F. R. Barlow, and Mrs. W. H. Fowler. The chairman proposed "The Pharmaceutical Society," and in welcoming Sir William Glyn-Jones, he said the Prince of Wales had been called the "Empire's Ambassador." Sir William might equally well be called their pharmaceutical ambassador. He had just returned from a long trip to the United States and Canada, bringing with him the goodwill of his pharmaceutical brethren there. Sir William, in his reply, said there were strong reasons why he had attended. In addition to being the secretary of the Society, he held the position of chairman of the neighbouring branch at Croydon. They had there so often had the assistance of members from the Reigate district that he had felt the least thing he could do was to turn up. Pharmacists had never before been so well organised. The man behind the counter might ask sometimes what benefit there was to him in the physiological laboratory and degrees in pharmacy. He should remember the higher the top of the profession the better it was for all the members. Sir William was satisfied that as a result of recent work not only were they better equipped for serving the public, but that the public and Government departments were realising it. Sir William went on to discuss the educational side of the Pharmaceutical Society's activities. Local educational authorities had been approached in the matter, and they had been greatly assisted, in particular, by the Reigate branch. He thanked the Mayor as the representative of the Education Committee for the provision of these facilities. Proposing the toast of "The Local Association and the Society Branch," Sir William said he brought from the headquarters a message of thanks for the branch's loyalty—that did not mean absence of criticism. The only time he resented the critic was when the latter never did anything else. The chairman acknowledged the toast, in conclusion expressing his pleasure at seeing among them Mr. Clegg, whose work during his three years as secretary they all recognised as having been extremely useful. Mr. Barlow gave the toast of "The Visitors," to which the Mayor replied. The chairman thanked the artists for the enjoyment their songs had given. The artists, whose services were procured by Mr. Oram, were Miss Phyllis Sharpe, Miss Fowler, Mr. Harry Wenman, Captain Thomson, Mr. George Blackmore, and Mr. Holman.

POLISH IMPORT RESTRICTIONS.—The importation of non-alcoholic perfumes, and of toilet and medicated soaps in liquid, solid or powder form, into Poland is henceforth prohibited except by licence of the Minister for Commerce and Industry.

GERMAN PHOTOGRAPHIC COMBINE.—The C.P. Goerz Optical Works in Berlin, and the photographic firms Ica A.G. in Dresden and Contessa Nettel A.G. in Stuttgart have formed a combine for the purpose of effecting economies by a rational exploitation of the plant of each concern, with the object of improving their financial position.

Italian Speciality Law

THE introduction in Italy of legislative measures dealing specifically with the manufacture and sale of pharmaceutical specialities, i.e., proprietary medicines, which was promised by the Government some years ago, and has provided abundant material for heated discussions in pharmaceutical and allied industrial circles, has at last assumed a definite form by the issue of a Royal decree-law, which now awaits ratification by the Parliament to become effective. A study of the twenty-one articles of this Bill shows that the Italian Government has decided to adopt a system of control and registration similar, but in some respects more comprehensive, to that already in force in Spain, Austria, Poland, and the Argentine, and also that it has embodied one of the features which characterised the abortive British Proprietary Medicines Bill. Article 1 already introduces a far-reaching control over the actual production of these goods, inasmuch as it stipulates that the manufacture of medicinal specialities intended for sale may not be undertaken in laboratories producing therapeutic preparations unless the latter are duly licensed by the Minister of the Interior. The following restrictions, not embodied in the corresponding enactments of other countries, are also included in this article :—(1) The same person may not act as technical manager of more than one laboratory manufacturing these products; (2) the manager of a pharmacy may not at the same time act as manager of a laboratory in which therapeutic products are manufactured, unless he is the proprietor thereof and it is directly attached to his pharmacy.

REGISTRATION

Article 2 stipulates that no medicinal speciality may be placed on the market until it has been registered with the Minister of the Interior. Prior to granting registration, the Minister is empowered to submit the speciality to an examination in order to determine :—(*a*) Whether its composition corresponds with the declared formula; (*b*) whether the ingredients possess the requisite degree of purity; (*c*) whether its therapeutic indications are consonant with its actual composition. Registration implies no Government responsibility. Specialities which claim to possess properties and effects in any way offending against morality or good customs, or intended for the specific treatment of certain diseases, to be established in the regulations, are excluded from registration. If the composition of a registered speciality is subsequently altered, a new application for registration must be submitted. Foreign medicinal specialities have also to be registered prior to being placed on the Italian market; however, the Government is empowered to conclude conventions with other States regarding the commerce of this class of products on a reciprocal basis. In every pharmacy a list of registered medicinal specialities must be prominently exhibited. The provisions of this law are also to extend to organotherapeutic products, soluble ferments, biological preparations of any description, vaccines, serums, toxins, and similar products. Medicinal specialities, Italian as well as foreign, at present on sale in the country are to be given one year from the date of the enforcement of this law in which to comply with its provisions; however, in the case of foreign specialities, the Government reserves the right to stipulate the conclusion of a special convention with the country in question prior to granting registration. The regulations for the application of these provisions, which are to be published within three months' time, shall determine the formalities to be observed in applying for registration, the basis for fixing the retail price of Italian as well as of foreign medicinal specialities, what preparations come within the scope of the law, the restrictions to be imposed on advertisements of this class of preparations, and also special rules for the registration of biological and bacteriological products. To enforce the provisions of this law the *personnel* of the administration of public health is to be increased by fifty-six medical men and seventeen chemists. A sum of 100,000 lire is to be set apart to defray the charges incidental on the introduction of these new regulations, while 50,000 lire is to be provided to meet the additional expenses incurred in inspecting pharmacies and laboratories. Attached to the decree is a table of the taxes to be levied on the manufacture and sale of medicinal specialities. Thus, laboratories in which these preparations are manufactured will pay an annual tax ranging from 200 lire, where not more than five persons, exclusive of the management, are employed, to 5,000 lire, where more than twenty persons are engaged in the manufacturing, etc., processes. The charge for the issue of a licence to manufacture medicinal specialities ranges from 200 to 5,000 lire, according to the number of persons employed in the licensed laboratory, on the foregoing scale. The registration tax for an Italian or foreign speciality is fixed at 1,000 lire for each single speciality, series or category of specialities, and, in addition, an annual tax amounting to 500 lire will be chargeable. If the composition of a registered speciality is altered, the tax for the fresh registration is fixed at 500 lire.

PENALTIES

The penalties provided for transgressions against these provisions include imprisonment up to six months and a fine of 2,000 to 10,000 lire, in addition to closure of the laboratory for a maximum period of one year; this is the maximum penalty for a second offence of placing unregistered preparations on the market, while the pharmacist who keeps in stock or sells unregistered specialities renders himself liable, on repeating this offence, to a term of imprisonment of from one to three months and a fine of 2,000 to 6,000 lire, in addition he may be debarred from pursuing his calling for a definite period, or even permanently. Failure to exhibit the list of registered specialities renders the pharmacist liable to a fine of 500 to 1,000 lire. For comparison, the existing regulations regarding medicinal specialities may be briefly summarised. The pharmacist is personally responsible for all preparations sold by him; medicinal specialities are required to bear on the label a disclosure of the ingredients, together with their amounts, using the designations current in medical practice. It is forbidden to claim for these preparations, on the label or in advertisements, a composition or therapeutic properties which is not in accord with the actual formula; the decision rests with the Superior Council of Health. Italian manufacturers of medicinal specialities may apply for the inclusion of their products, subject to approval by the Council, in the list figuring in the appendix to the Pharmacopœia; however, in the last edition this list did not appear. To obtain permission for the importation and sale in Italy of a foreign medicinal speciality, an application has to be submitted to the Minister of the Interior, giving particulars concerning its composition, therapeutic properties, and an outline of the method of preparation. If approved by the Superior Council of Health, a permission to import is issued, and the Customs authorities are instructed to admit the preparation on payment of the chargeable rate of duty. Italy has, however, concluded international agreements with a number of countries, including Great Britain, permitting the importation, on a reciprocal basis, without further formalities of medicinal specialities, provided the formula is disclosed on the label as required in the case of preparations manufactured in Italy; these agreements do not extend to the admission of serums, vaccines and toxins

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ITALIAN CITRATE OF LIME.—A report from Palermo states that the Camera Agrumaria has sold for delivery almost all of the entire new production of citrate of lime. The selling price was fixed at 675 lire per 100 kilos, basis 64 per cent. citric acid, ex warehouse. The old stock has been reduced to about 15,500 tons.

BRITISH INDUSTRIES FAIR.—The Department of Overseas Trade suggests that overseas buyers who do not receive their invitations to next year's Fair early should apply direct to the nearest British representative, trade commissioners in the Dominions and Colonies, and commercial secretaries or consuls in other countries, or to the Exhibition Branch, Department of Overseas Trade, 35 Old Queen Street, London, S.W.1.

The Ductless Glands

A lantern lecture on "The Ductless Glands," given on October 23, by Dr. J. Stanley White before the Dublin and Provincial Retail Drug Association.

In his opening remarks Dr. White referred to the antiquity of organo-therapy, and quoted Galen as being responsible for naming the pituitary body. It is, he said, however, only during the last twenty or thirty years that the subject had been studied scientifically. He explained the various ductless glands, so called because they apparently have no duct which takes away their secretion, as have, for instance, the liver, the skin, and the digestive tract. Their products appear to enter directly into the blood stream, and therefore these ductless glands are said to elaborate an internal secretion. The active principle or principles of these internal secretions are termed hormones; and only one such hormone has yet been isolated—namely adrenalin, the active principle of the medullary portion of the suprarenal gland. The lecturer explained the complex inter-relationship which exists between these glands, referring to this intimate relationship under the name of the "hormone balance," which constitutes a most important phase of gland therapy. It has become increasingly difficult to obtain supplies of the crude material; there is literally a world shortage of pituitary. A few years ago these glands were discarded as being of no value. But now it is recognised that they may constitute perhaps the most important part of the whole animal. The lecturer showed a picture of a ranch in Montana, where large stocks of cattle are bred as an illustration of the sources to which they must look for the crude material.

Thyroid Gland

They had heard so much about the application of thyroid preparations in medicine that they were inclined to regard it as being absolutely modern. But thyroid had been recommended at least fourteen centuries ago in the treatment of goitre. Probably one of the reasons why thyroid has come to be so useful in medicine is because it is easily absorbed when administered by the mouth. Having described the position of the thyroid gland in the neck, the lecturer pointed out that the gland is essential from the point of view of growth and development, not only physical, but also mental. He described the typical cretin, who is a case of congenital hypothyroidism. If given small doses of desiccated thyroid he could be improved out of all recognition. Deficient thyroid secretion in the adult is responsible for myxœdema, in which the metabolic processes were probably depressed to a greater extent than in any other condition known of to-day. It had been said in these cases that "the fires of metabolism are burning in a smoky flame." A marked improvement in these cases by the administration of suitable doses of thyroid is one of the most striking manifestations in medicine. There are other cases of hypothyroidism not so pronounced which were important. Thus a child at school who became readily fatigued and unable to apply himself closely to study often benefited enormously as the result of the administration of minute doses of thyroid. A medical officer from the North of England had told him that he believed that no fewer than twelve thousand children who came under his observation were suffering from a mild form of hypothyroidism.

Thyroid Extract

Strictly speaking, there is no such preparation as thyroid extract. The doctor who wrote the prescription either referred to thyroid in terms of fresh gland or desiccated gland. He (Dr. White) wished that some rule, by some authoritative body, would be made in regard to what, after all, is a dangerous drug, particularly when administered in large doses. The relationship of the fresh gland to the dry was one to five. Regarding the chemistry of the gland, the tissue is made up of vesicles the active principle of which appears to be iodine in a colloidal form, termed iodothyrine. The present standard for thyroid is 0.03 per cent. of iodine. Coming to the other side of the picture, namely, hyperthyroidism, Dr. White referred to cases of simple goitre, and stated that this was endemic in certain parts of the world, notably Switzerland, and Derbyshire in England. He also referred to exopthalmic goitre or Graves' disease. The probable cause of this condition was worry. More cases were seen in London during the air raids than had perhaps been seen there for half a century. The lecturer referred to the parathyroids, generally four minute structures deeply imbedded in the thyroid. It was only in a comparatively recent period that they had been recognised, but they were being prescribed in an enormous quantity to-day, particularly in the treatment of certain diseases believed to be associated with a defective calcium content of the blood. Chilblains result from such a condition, and they respond in a remarkable way to the administration of parathyroid. There is no reason why parathyroid should be contaminated with thyroid as had been stated, although it is difficult sometimes to separate it from thymic tissue. The thymus gland is one of the glands which do not play such an important part in organo-therapy. But nevertheless the gland is important in infancy.

Suprarenal Gland

A much more important gland is the suprarenal gland imbedded in the mass of fat on the top of the kidney and surrounding that organ almost like a helmet. The gland consists of two parts, the cortex and the medulla, and adrenalin is obtained from the medulla. It is there in such extremely small quantities that the suprarenal glands of some thirty thousand oxen are necessary to produce one pound of the crystalline substance. It is, however, extraordinarily active, a dilution of one in one hundred thousand being sufficient to produce a rise in blood pressure. Dr. White referred to the use of adrenalin in medicine, and pointed out that we are continually liberating adrenalin from our own suprarenal glands. It appeared to be one of nature's methods for preparing the animal for attack and defence, or, as one writer had put it, it was the gland which fitted the individual for fright, flight and fight. The lecturer explained how adrenalin is physiologically tested, and expressed the opinion that this would, no doubt, be the method adopted in the next British Pharmacopœia. The pituitary gland, situated at the base of the brain, is the gland which the ancients regarded as the envelope of the soul. It consisted of two parts, the anterior lobe and the posterior lobe. It was from the latter that pituitrin was obtained. The anterior lobe was essential to life and was very largely concerned with growth. Individuals with a prominent anterior pituitary are of the aggressive type.

Pituitary Gland

A deficiency of pituitary gland produces a type of individual who is very fat, very lazy, very sleepy, and generally hungry—the type, in fact, that Charles Dickens must have had in mind when he created the immortal Fat Boy in "The Pickwick Papers." Too much pituitary, on the other hand, and especially of the anterior lobe, was responsible for our young giants. This was the case when the anterior lobe of the pituitary was enlarged or hypertrophied before the bones had united, that is, before the age of seventeen. If this happened in later life the result was acromegaly, a curious development of certain bony structures, notably the lower jaw. The pineal gland, situate in the centre of the brain, was held by some people to be the remnant of an unpaired eye, which in ages past might have been situated in the centre of the forehead. The gland appeared to be concerned with growth, as was evidenced by some photographs of chickens which had been fed on pineal. Dr. White referred to the effect which these glands had upon personality. Thus it was easy to pick out the thyroid-centered type with the bright eyes and the good teeth, the energetic type of individual, or the suprarenal-centered type, who was hairy and distinctly masculine in character. According to some authorities, the decline of Napoleon could be traced to the time when his pituitary seemed to be less active. Gland-therapy opened up a wide field for scientific prescribing. There was no doubt that this form of treatment was making progress at the present time, especially in America. It was calculated that 25 per cent. of all the prescriptions that were being dispensed in that country were for some form of gland preparation.

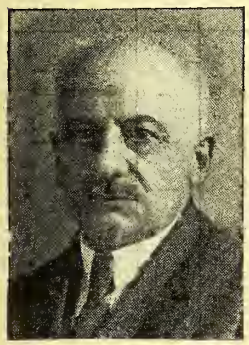
Personalities

WOR. BRO. HENRY M. LLOYD, J.P., Merthyr Tydfil, was the recipient, on October 27, of a Past Master's jewel, presented by the officers and brethren of the North Glamorgan Lodge. The decoration ceremony was performed by the Acting D.P.G.M.

MR. HENRY A. POTTER (Potter & Clarke, Ltd.), who has been commodore of the Nore Yacht Club for several years, has been presented with a silver salver for his many years' service to the Club. Mr. Potter is now on a business visit to Jamaica, Trinidad and Barbados.

THE current issue of "On the Road" contains extracts from an interesting article by Mr. W. H. Saunders, F.C.S., chairman of Ayrton, Saunders & Co., Ltd., Liverpool, dealing with the life of a commercial traveller fifty years ago. Mr. Saunders's account of interviews with customers in trains and elsewhere gives an idea of the mental alertness and resource requisite for a successful career as a representative.

CAV. F. PRATTA, who will be remembered by those who attended the London meeting, in 1923, of the International Pharmaceutical Federation, was presented at the Seventh Italian National Chemico-Pharmaceutical Congress with a shield bearing the inscription: "To Francesco Pratta, whose exquisite sensibility, energy coupled with caution, and open mind have been entirely dedicated to the great dream of his profession and to the welfare of pharmacy, from grateful pharmacists."



CAV. F. PRATTA

IN commemoration of the twenty-first anniversary of the granting of a charter of incorporation to East Ham, the Town Council has decided to bestow the honorary freedom of the borough upon five of the oldest members of the Corporation, including Councillor John Brooks, J.P., chemist and druggist, who was chairman of the District Council in 1896-97, and was elected Mayor of the borough in 1908. Mr. Brooks has also been elected chairman of the East Ham Insurance Committee.

MR. A. PROCTOR ATKINSON, sales manager to J. C. Eno, Ltd., Lever House, London, E.C.4, has been elected vice-chairman of the Incorporated Sales Managers' Association. Mr. Proctor Atkinson has occupied his present position with Messrs. Eno since 1921, and has lately been on an extensive business tour in their interests in the Far East.

SIR WILLIAM GLYN-JONES, secretary and registrar of the Pharmaceutical Society of Great Britain, and secretary of the Proprietary Articles Trade Association, sails on November 6 for a trip to Canada. The visit is in connection with the founding of a P.A.T.A. in Canada. Sir William expects to return to England before the end of the month.

AT a meeting of the Victoria Park Lodge, No. 1816, at Cannon Street Hotel, London, E.C., on October 22, Bro. T. J. E. Godbold (Thomas Hodgkinson, Prestons & King, and late of Price's Patent Candle Co., Ltd.) was installed W.M. Among the visitors connected with the drug trade were W. Bro. H. A. Wigginton, P.M., P.P.G.D., Middlesex, W. Bro. J. W. Quibell, P.M., and Bros. J. Collett, C. M. Fann, C. Fail, J. G. Jones, and W. Morton.

IN addition to those mentioned in our issue of October 31 (p. 618), the following are among candidates connected with the drug trade who have been successful in the recent municipal elections: Messrs. Alban Atkin, Hampstead, London, N.W. (re-elected); W. Baker, Paddington, W. (re-elected); S. Cleaver, Leicester (re-elected); E. H. James, Lampeter (unopposed); W. J. Lewis, Portsmouth (re-elected); Francis R. L. Newbery (Francis Newbery & Sons, Ltd.), Finsbury, E.C.; E. A. Onyon, Eye (re-elected); Albert Smith, Ph.C. (Hickman & Co., chemists), Kensington, W.; C. Bennett, Bethnal Green, E.; R. H. L. Watson, Hornsey, N.

Births

Notices for insertion in this column must be properly authenticated.

MACKENZIE.—On October 31, Winifred, wife of Donald J. Mackenzie, M.P.S., 388 (2) Finchley Road, London, N.W.2, of a son.

Marriages

ALLEN—FERDINANDO.—At St. Lawrence Jewry Church, London, E.C.2, on October 21, by the Rev. Canon Besley, Gilbert Stafford Allen, only son of Mr. G. Stafford Allen, Hill House, Long Melford, to Elizabeth, eldest daughter of Mr. G. S. Ferdinando, Firgrove Manor, Eversley.

POINTS—STEPHENS.—At St. John's Church, Boscombe, on October 24, Sydney F. Points, chemist and druggist, to Beryl Norman Stephens, both of Bournemouth.

Deaths

HOMER.—At Birmingham, recently, Mr. Frederick George Homer, chemist and druggist, aged eighty-five. Mr. Homer was in business successively in Great Hampton Street, in Bradford Street, and in Warwick Road. Since he retired, twenty-eight years ago, his services have been in request as *locum tenens* to chemists and as dispenser at the Birmingham Children's Hospital.

LINNEMANN.—At Leipzig, on October 15, Herr Hugo Linnemann, aged seventy-nine. Herr Linnemann was senior partner in the firm of Eduard Büttner, manufacturer of essential oils and essences, Leipzig, since 1876, and was the Nestor of the German essential oil industry.

NICHOLL.—At his residence, 10 Adelaide Park, Belfast, on October 28, Mr. Isaac Waugh Nicholl, Ph.C., aged seventy-four. Mr. Nicholl, who was a native of Clones, served his apprenticeship to Grattan & Co., Belfast, and remained with them for more than fifteen years. He passed the Licence examination of the Pharmaceutical Society of Ireland in 1876, and commenced business at 25 High Street, Belfast, five years later. Mr. Nicholl was known to a wide circle of pharmacists through his attendance year by year at the meetings of the British Pharmaceutical Conference, at which his musical accomplishments were occasionally in request. He held the office of organist and choirmaster at St. Anne's Cathedral, Belfast, from 1874 to 1904. During that period he never missed a Christmas or Easter Day at the organ. After his retirement he continued to take a deep interest in St. Anne's, being a member of the Cathedral Board, and holding other positions, besides rendering service as honorary organist. Mr. Nicholl also had a turn for mechanics, and was one of the first—if not actually the first—in Belfast to drive his own motor-car. On the formation of the North Irish Pharmacists' Association in 1916 he was chosen as President. At the afternoon service in Belfast Cathedral, on November 1, the Dean of Belfast, in referring to Mr. Nicholl, said he wished to express their heartfelt sympathy with his widow and children. Through the death of Mr. Nicholl another link with the past had been severed, for he was a regular and valued member of St. Anne's congregation long before a cathedral was thought of. For fifty-two years he never missed the early Communion service on Christmas Day. The Dean also referred in eloquent terms to Mr. Nicholl's patience in bearing pain and weakness during his illness.



MR. I. W. NICHOLL, PH.C.

Trade Notes

CAPPING SKINS are special lines with Longman & Honeywill, leather merchants, 3 Southwark Street, London, S.E.1.

T. HARRISON & Co., Burnley House, Willesden, London, N.W.10, have been appointed sole agents in the U.K. for "Destilaciones Garcia de la Fuente" of Granada, Spain, distillers of Spanish essential oils."

CAMEL-HAIR BRUSHES.—Owtazin Co., 50-51 Fore Street, London, E.C.2, have been appointed sole agents for the United Kingdom for Unger & Cie., brush manufacturers, Fuerth, Bavaria, who specialise in camel-hair brushes as required for the drug-trade.

RAILWAY WAREHOUSING.—The London, Midland & Scottish Railway have a new scheme for warehousing and distributing goods for manufacturers which is worth looking into. A booklet describing the scheme is obtainable from the Chief Goods Manager, Euston Station, London, N.W.1.

BEARDMORE BOX VANS are commercial motor vehicles specially adapted for business such as the drug trade where bulky goods do not predominate. These vehicles are being shown by Beardmore Motors, Ltd., at the Commercial Motor Exhibition, Olympia, London, which closes on November 7.

IALINE WHITE FLUID DISINFECTANT complies with the conditions required for disinfecting cattle trucks, and is adapted for extensive use in areas where foot and mouth disease is prevalent. Burt, Boulton & Haywood, Ltd., Salisbury House, London Wall, London, E.C.2., invite inquiries from large buyers.

"SYNTHETIC PERFUMES."—Under this title Polak & Schwarz, Ltd., Zaandam, Holland, have issued a useful booklet giving practical hints on the use of synthetic perfumes. The various synthetic materials are treated in alphabetical order, smaller sections dealing with flower oils, fixatives and specialities of the house. Perfumers will find the book useful on account of the practical hints it contains.

"PATRIS" POURER-STOPPER.—Mr. C. F. Dupére, 11 Thornfield Road, Bishop's Stortford, advertises in this issue the "Patris" pourer-stopper for vacuum flasks. The necessity of retaining the vacuum in the glass neck of a vacuum flask makes the lip of the flask thick, and increases the difficulty of pouring from it. The "Patris" pourer is a simple device to overcome this. Fitted into the mouth of the flask the contents can readily be poured out in a thin stream. The prices are given in the announcement.

"IMPERIAL BEE" HONEY.—In the New Zealand Pavilion at the British Empire Exhibition a competition was instituted as to the estimated contents of a monster jar of honey on show. A. J. Mills & Co., Ltd., Colonial House, Tooley Street, London, S.E.1, who sell the product in this country, inform us that the weight of the honey in the jar was found to be 83 lb. 11½ oz. The winners of the first and second prizes were Mr. Hallet, Penarth (whose guess was 83 lb. 8½ oz.), and Mr. C. W. Parsons, Wembley Park (with 83 lb. 8 oz.). The third prize was divided among five competitors who guessed the weight to be 84 lb.

WILSON SODA LIME.—A refinement in the analytical use of soda lime for absorbing carbon dioxide is shown in the Wilson soda lime, for which the British agents are W. Edwards & Sons, 14-18 Nile Street, City Road, London, N.1. It is prepared under a patent and the product is claimed to possess advantages over ordinary soda lime, some of which are non-caking, non-heating, greater absorptive powder, cheaper (on the cost per unit of gas absorbed), and constant humidity conditions. The soda lime is not only used in laboratories, but for removing carbon dioxide from air and other gases before liquefying, removing acid fumes from oil vapours, and ventilation systems, and for use in industrial gas masks. Messrs. Edwards supply a pamphlet describing the advantages and uses of the Wilson soda lime.

THE CHEMIST AND DRUGGIST

RETAIL PRICE LIST

based on definite costing principles

THE Drug Index for October is 148.8, being a reduction of 0.7 on the previous month. There were changes in a number of lines, but the rise and fall almost cancelled out. The index-figure for surgical dressings shows no change. The following are the chief alterations in the cost and selling prices since the quarterly issue of the *C. & D.* Retail Price List in THE CHEMIST AND DRUGGIST, October 3, and enable chemists to revise the List up to November 1 :—

	Cost	Selling Price (solid or liquid)				
	1 lb. or as stated	16 oz.	4 oz.	1 oz	1 dr.	Gr. or ℥
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Aurant. cort. exot. ..	2 8	4 0	1 2	0 4	—	—
Ampul. iodi, boxes of 6	1 0	Box	1 9	—	—	—
Arsenic alb. coml. pulv. cwt.	55 0	7 lb.	5 0	—	—	—
Caps. casc. sag. ext. ℥ 20 .. 1,000	16 0	36	1 9	—	24	1 2
Caps. casc. sag. ext. ℥ 30 .. 1,000	19 0	36	1 10	—	24	1 4
Caps. casc. sag. ext. ℥ 60 .. 1,000	35 0	36	3 0	—	24	2 0
Cocci pulv.	6 9	9 9	2 10	0 10	0 2	—
Coccus (silver grain)	5 3	9 0	2 4	0 8	0 1½	—
Emetina .. *B* gr.	0 8	—	—	—	—	1 4
Emetin. bism. iod. *B* gr.	0 5	—	—	—	—	0 10
Emetin. hydrochl. *B* gr.	0 6	—	—	—	—	1 0
Ext. ergotæ .. *B* oz.	3 3	—	—	5 9	1 0	—
Ext. ergot. pulv. *B* oz.	3 6	—	—	6 2	1 0	—
Ext. ergot. liq. *B*	8 0	—	3 9	1 0	0 2	—
Ext. ergot. am. liq. *B*	10 6	—	5 0	1 5	0 3	—
Ferri et ammon. cit.	3 5	—	1 6	0 6	0 1	—
Ichthyol	10 0	—	4 3	1 2	0 2	—
Inf. aurant. conc. ..	3 4	—	1 6	0 6	0 1	—
Inf. aurant. co. conc.	3 3	—	1 7	0 6	0 1	—
Ipecac. rad. (Rio) pulv.	21 0	—	9 0	2 6	—	—
Pot. citras	3 3	4 11	1 5	0 5	0 1	—
Sod. citras	3 2	4 9	1 5	0 5	0 1	—
Tr. sumbul	8 6	—	3 9	1 1	0 2	—
Veramon .. *B* oz.	8 2	—	—	—	2 4	—

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated :

T/1610. "Oilex" chest soothers
C/2410. Butler's hair wash
E/311. "Good Hope" salve
B/211. "Grange" brand effervescent Carlsbad salts
T/211. Haviland eyebath douche
N/205. Rigolas patent Früsmas hair brush
H/2410. Parkham (or similar name) splinting material
H/1610. Spocrysin
P/2910. "Trianom" for the hair
M/311. Typhoserelacterin
N/211. "Whirlwind" spray
S/211. "Yo-San" perfume

INFORMATION SUPPLIED

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.4.

Davis for showstands. W/111
Ethyl chloride tubes. R/211
Feaver's iron drums. S/2310
Houbigant's London agency. W/211
Hughes' baby scales. B/211
Kaylene saline. G/2510
Kola Dultz. E/2810
Kumfy hot-water bottles. N/2710
Nopaine anæsthetic. W/2610
Stannoxyl. W/2410

Observations and Reflections

By Xrayser III.

Are British Goods

usually preferred by customers because they are of British make? In my experience, they are not; and if Mr. Thomas Marns labours his point unduly in his business, I should expect to find him driving away trade. His persuasive powers may prevail once with a given customer, but the odds are that the customer's next purchase of a similar article will be made elsewhere. Personality counts for much in retail trade, but it won't induce customers to purchase more than once an article which does not give them complete satisfaction. Patriotism does not really count for much in business during peace time, and there are always people who are attracted by goods of foreign make. Then there is the class worthy of most consideration, people who desire the best article, irrespective of price or place of origin. Lastly, and unfortunately, there is a much larger class of persons who find it necessary to make the money go as far as possible. Such people frequent Woolworth's stores and are ever on the look-out for bargains. These three sections of the community are not likely to be influenced seriously by the slogan, "Buy British goods," and they include a fairly large proportion of the population.

There are Two Things

required if the slogan, "Buy British goods," is to be used effectively. First, the quality and utility of British-made goods must be at least equal to those of similar foreign goods, and the articles must be obtainable on terms at least as favourable. Secondly, British manufacturers must know how to sell their products. A sale is not completed until the article has reached the hands of the consumer, and it is not likely to be repeated unless the consumer is satisfied. Manufacturers of first-class articles at reasonable prices are fortunate if they find retailers of the calibre of Mr. Marns to push the sale of their goods. Skilful advertising does much to attract possible consumers and sometimes does all that is necessary. But retailers who stock and recommend the goods can assist greatly in completing sales. The fact remains, however, that the public generally cannot be expected to give preference to British-made goods and to buy them repeatedly unless (1) their quality and the service they give are equal or superior to those of similar foreign-made goods, (2) the price is right, and (3) the salesmanship of the British producer and his agents compares favourably with that of foreign competitors. The most extensive use of slogans cannot be expected to lead to profitable and enduring results unless backed up by superior methods of production and salesmanship.

Your Explanation

of a poison-law problem (*C. & D.*, October 31, p. 622) recalls memories of the days when we were slowly finding out what Section 17 of the Pharmacy Act, 1868, actually meant. That particular Section is virtually an Act of Parliament in itself—an Act within an Act. For years after it was enacted there was only a very misty knowledge of its effects, and it was long before prevailing practice became modified to anything like what it is to-day. But there was one point which was never in doubt, and that is the point you made so clear last week. Such slight doubt as existed respecting the exact interpretation of that part of Section 17 which referred to poisons dispensed by chemists was entirely removed by the 1869 Act. But the existence of that Statute is often overlooked, and that, presumably, is why some great mind has become confused in the instance on which you comment.

"Pharmacy as a Career,"

appearing as part of the title of an official publication so generously reviewed by you in the *C. & D.* of October 31 (p. 603), attracted me, and I have been at pains to peruse a copy of the booklet. It is, however, a sad disappointment, and I should like to wager that "the writer" who introduces himself in the preface to the booklet has had but little experience of shop life. Morever, his style as a writer is decidedly faulty. Apart from this, he makes a valiant effort to show by means of an explanatory chart and somewhat involved letterpress explanations how one may proceed by various tortuous routes from school to the university—or the shop. What he does manage to do, most effectually, is to emphasise the tangled nature of the Pharmaceutical Society's newest educational arrangements. Everything is unduly complicated by the intrusion of references to the requirements for a university degree, and I do not see much chance for the addition of pharmaceutical chemists to the existing list after July 1928. But by that time there may be another Pharmacy Act, making all of us pharmaceutical chemists.

The Red Poppy as a Symbol

has obtained a new meaning in these latter days. Among the Greeks it was always associated with the goddess of agriculture—Demeter—Ceres of the old Italians. Seed-time and harvest were attributes of the goddess and her flower. Now, by a strange upheaval, an idea foreign to this land becomes incorporated in our symbolism, but in a manner which far transcends the yearly operations of the husbandman. The *Papaver Rhœas* is our common English poppy and is one of the few native scarlet flowers. Its attractive appearance has stimulated our propensity to forge nicknames; consequently it possesses almost as many local names as there are counties in the land. Some of these are obvious in their connotations; such are Canker Rose, Cockrose, Cock's Comb, Cock's-head, Copper Rose, Corn Rose, Popple, Puppy, Pope, Red Weed. Others are not so obvious; for instance, Lightnings, Soldiers, Thunder Bolts, and Thunder flower. A fairly common name is Cheesebowl or Chesbow, which is said to be the modern rendering of a fifteenth-century form, chespolle or chesbolle, being a cheese-like knob. Its use in medicine has been long continued, but this is a matter which will have a secondary place in our thoughts as, during the coming week, we look with understanding eyes upon those common flowers which old Gerard says are "of a beautifull and gallant red colour."

The Spirit of Romance

may decay with the increase of knowledge; mankind may become so well informed as to the constitution of the world and its denizens that there will be no room, no cranny for the lodgment of the merest particle of mystery. Until that time comes, however, there will always be a fascination, an air of romance, about poisons and poisonings. Many poisons carry an intriguing atmosphere in their names, while others have a sordid air, an element of furtiveness which is inimical to the grand style. Such a poison is salt of lemons, which only attracts me because of its deceptive name, which, by the by, deceives no one. Your esteemed predecessor, Mr. Peter MacEwan, tried to fathom the mystery of this transference of name from Porta's "Salt of Lemmons" to the noxious salt of sorrel. He says ("Pharmaceutical Formulas") that the change took place "some time between the seventeenth and beginning of the nineteenth centuries." I am inclined to think that the time of origin can be fixed within narrower limits. The two salts were originally designated essential salts. Hermann Boerhaave published his "Elementa Chemiæ" in 1724, and in it he gave instructions as to the preparation of essential salts, taking the essential salt of sorrel as an example. He does not refer to the making any attempt to prepare a similar salt from lemons. Caspar Neumann, on the other hand, did succeed in making the essential salt of lemons in a similar manner to that used by Boerhaave (Lewis's translation of Neumann's Chemical Works, 1759). Neumann says further, in the same place, that the essential salt of sorrel, when extracted by crystallisation, is employed "for taking out iron moulds and spots of ink from linen." Here is an association of origin as well as possibly an association of use which became strengthened later in such preparations as the powder of superoxalate of potash flavoured with lemon, which was used as a refrigerant. In some such manner as this it is likely that there arose the misnomer of to-day, and thus the obscurity of its origin may be accounted for.

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Editorial Articles

Further Factors of Life—III

Proteins and Protoplasm

If carbohydrates and fats are the energy factors of life, proteins provide, as muscular tissue, the mobile framework and mechanical means for transmuting metabolic activity into animal locomotion. Proteins consist of colloid complexes, which are meshworks of molecules built up by the linking together of comparatively simple amino-acids. Protein consumed as food is split up during digestion into soluble amino-acids, from which units the specific proteins in body fluids and tissues are regenerated *in situ* by the living cell. An amino-acid is an amphoteric electrolyte, i.e., it has the characteristics of both an acid and an alkali, one end carrying an acidic carboxyl group (COOH) and the other the basic amido group (NH_2). Glycine (NH_2. CH_2. COOH) is the simplest representative of the amino acids, of which about 20, including arginine, proline, etc., mentioned below, are known as entering into animal metabolism. A molecule of gelatin contains over 100 amino-acid chains linked together by condensation (or elimination of water) from two of the adjoining reactive groupings constituting the ends of amino-acids. The meshwork is so fine that a coherent "gel" may hold 500 times as much water as gelatin. The dehydrating unions of the amino-acids are comparatively feeble, as a small rise in temperature greatly diminishes the viscosity of the jelly. It has long been known that albuminous bodies provide the chief mass of organic tissue of animals, but protein chemistry is only 25 years old. The elemental composition of proteins varies little, being for the ash-free compounds :—

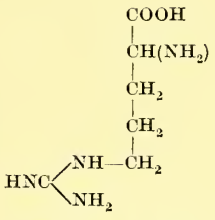
Carbon	50.5	to 54.6	per cent.
Hydrogen	6.5	to 7.3	per cent.
Nitrogen	15.0	to 17.6	per cent.
Sulphur (if present)	0.5	to 2.2	per cent.
Phosphorus (if present) ...	0.42	to 0.85	per. cent.
Oxygen	21.50	to 23.5	per cent.

In contradistinction to fats and saccharine substances, proteins are devoid of attractiveness to the palate, being tasteless and odourless in fresh foodstuffs, but developing evil-smelling sulphur compounds on putrefactive decom-

position. Natural proteins are classified as albumins, globulins, phosphoproteins, and protamines, distinguished by their solubility, diffusibility, coagulability, and "salting out" reactions with neutral salts. Solutions or suspensions of proteins in water constitute hydrophile colloids, but all gradations exist between almost insoluble suspensoids and true protein solutions. More attention is given nowadays to adsorption phenomena as explaining the protective action of colloids in preventing precipitation of electrolytes and the peptisation (or production of colloidal solutions) from precipitated matter. The tendency of protein molecules to form aggregates leads to living matter itself, for the spongy framework of colloidal proteins is exceedingly sensitive to change in the ionic activity of the liquid filling its interstices. The living substance protoplasm is a viscous liquid colloid in mobile equilibrium with its environment. In the newer cytology which studies the minute structure of living cells, protoplasm is no longer regarded as being a single molecule but as comprising a system which is profoundly affected by all local conditions. The living cell can be aptly compared to an electrical battery wherein energy is obtained by successive oxidation of the end atoms of carbon chains. Oxidation is the transference of an electron from a negative element to a positive ion, and in the storage cells of an electrical accumulator oxidation of metallic lead corresponds to that of carbon in living cells. Such ideas are necessarily pure speculation, but the fact that protoplasm is exceedingly sensitive to electronic stimulation countenances such views and permits an explanation of both the existence of nervous tissue and the mechanism of its stimulation. Proteins play an important part in the fixed or hereditary constitution of protoplasm. Thus the staining substance of chromosomes (the transmitters of hereditary characteristics) consists of a salt of nucleic acid. That Nature does not distinguish between organic and inorganic metabolism is once more evident from the following composition, which has been assigned tentatively to thymus nucleic acid :—

Phosphoric acid
|
hexose—guanine
|
phosphoric acid
|
hexose—thymine
|
hexose—cytisine
|
phosphoric acid
|
hexose—adenine
|
Phosphoric acid

NUCLEIC ACID



ARGININE OR δ-GUANIDO-α-AMINO-VALERIC ACID

Proteins differ enormously as regards the amount and the character of the amino-acids they contain. Thus gelatin lacks tyrosine, cystine, and trytophane, ring proteins essential for the maintenance of life and which must be present in foodstuffs as animals cannot synthetise them. Arginine is the only amino-acid always present in proteins, and it is significant that it constitutes the body of (fish) sperm in the form of a salt of nucleic acid. Such protamines are the most resistent proteins known. Thus they are not digested by pepsin solution acidulated with hydrochloric acid. The arginine required for the formation of a sperm is obtained in salmon by dissolution of muscular tissue. All other amino-acids, except small amounts of proline, valine, and serine, are rejected during the ripening of the sperm. The chemistry of the proteins thus provides us with glimpses of the permanent structure of living matter, but leaves to imagination the means whereby this is duplicated in cell division. Nevertheless, this spongy framework of colloidal proteins forms a physical basis for the processes of life. It is owing to the sensitivity of protein to changes in ionic activity that protoplasm is able to regulate selectively the passage of food solutions. Protein metabolism, like that of fats and carbohydrates, cannot be sharply defined, thus the essential ring protein trytophane would seem to be a corner-stone in protein structures and has a direct connection with gland therapy, being required for the production of thyroxin in the thyroid gland. A universal constituent of the living cell is the protein glutathione, which represents a simple enzyme with auto-oxidisable properties dependent upon a "thiol" or sulphur grouping. As regards nutrition and growth, animals normally obtain plentiful supplies of the necessary proteins; only man throws away the richest proteins in the milling of flour. The extended use of table-jellies, blancmange, custard powders, and jams also leads to protein impoverishment of the food of the lower classes. The consumption of milk, meat, fish, and eggs by the more well-to-do obviates protein starvation, though curiously enough among the upper classes lies the demand for nerve-foods, consisting of casein with glycerophosphates. Dried milk preparations form the newest phase in tonic foods for nerve regeneration. Vitamin B is found along with proteins, and the neuroses of modern times is probably insufficiency of both vitamin and protein. There is a quantitative relation between protein metabolism and requirement of vitamin B, autolysed yeast and wheat extracts being widely used for remedying lack of vitamin B. Soy proteins are being exploited as protein foods, instead of casein, which occupies the field at present. Baldness is being treated internally with cystine in a proprietary tablet, the protein entering considerably into the composition of hair. Proteins are only beginning to find a real position in dietetics, which will become of increasing importance. A word of warning is necessary regarding the use of pure protein preparations, for care must be taken to avoid excess of protein in feeding. The yellow faces of vegetarianism have passed away with the recognition that leguminous foods are over-rich in nitrogenous constituent. The anaphylactic phenomena associated with vaccine tests such as tuberculin are forms of protein poisoning due to combination of two protein factors—sensitiser and toxin. Toxæmia and similar forms of protein poisoning due to eggs or lobsters can cause skin eruptions according to the idiosyncrasy of individual metabolism. *Festina lente* is the motto that is suitable as regards experimentation with highly nitrogenous diets.

The Glut of Sugar

GENERAL slackness of trade demand for sugar and the growing excess of supplies accruing from the estimated much larger Continental beet crops, the harvesting of which is now in full swing, have dominated the general position apart from the heavy forecasts of the forthcoming Cuban crop. Referring to the cheapness of sugar in our issue of September 26 (p. 444), we suggested that "market conditions in the new season will be largely governed by the increased competition between Cuba and European beet sugar, apart from the further progressive rate of the world consumption." This competition having assumed more aggressive dimensions since then, there is little wonder that, in the continued absence of a normal demand, the depression experienced for many months past has become accentuated. Prices during the past month or so declined by approximately another 2s. per cwt. for most descriptions of raw or

refined sugar to what may be called the lowest level ever attained in the history of the product. In fact, sugar has been selling at very near, if not at actual, cost of production in certain cases. Very low figures indeed were recently recorded, especially for raw sugar, down to 9s. 6d. per cwt. c.i.f. home ports for Cuban, and to slightly under 9s. f.o.b. Dantzig for 88 per cent. raw German beet sugar, while a large quantity of Natal centrifugals afloat to this side sold at 12s. 6d. c.i.f. In conjunction with the acute weakness which recently characterised the American market for terminal sugar, sales of raw Cuban were effected rather freely at one time down to $1\frac{15}{16}$ cents per lb. cost and freight to New York; but the price has since risen to about $2\frac{1}{16}$ cents, c. and f. The total stocks in Cuba are now about 740,000 tons, against 285,000 tons a year ago. There is now not much doubt that the extraordinary collapse in values so far in the 1925-26 season has already discounted the worst apprehensions as to an unwieldy excess of supplies compared with the past season. This assumption at any rate probably explains the somewhat redeemed appearance of the American market lately, and this had an immediate reflex in the rallying tendency of the terminal market in London. It also tended to precipitate a mild revival of trade buying, and this induced home refiners to raise their terms a little from the worst. It may seem curious that the efforts which have been made for some time past in this country to develop beet sugar production, and which are now bearing fruit, thanks to the Government subsidy, should tend to add to the already excessive world's resources, especially at a time when the question is apt to arise among producers as to the advisability of certain restrictions being imposed on cultivation. This eventuality may be kept in view having regard to the coming Cuban crop. At a price of 2 cents per lb. and less as current lately (allowing for the cost of freightage to New York), which does not even represent 1d. per lb., it would seem almost too much to expect that Cuban planters will find any encouragement to make the most of their resources, upon which the confirmation of the high crop forecasts of the new season's yield depend. For one thing, the official Cuban crop estimates will not make their appearance for another month or so, and even those which are circulated near the opening of the season cannot be relied upon, according to previous experience. Within the last few seasons the expansion of cultivation in Cuba was certainly much stimulated by the good prices generally obtained, so that under a low price or an abnormally low margin of profit a certain portion of the canes may be abandoned on the fields. So far as can be gathered, the large increase provisionally looked for in the Cuban crop is not so much based on any enlarged cultivated area as on the fact that a good deal of cane in comparatively new fields that was left untouched in the past season was intended to be utilised in the next campaign. The course of the market certainly hinges largely on developments in Cuba, which are, to say the least, uncertain under present market conditions. People closely conversant with the industry there are inclined to the view that the crop will be little if anything in excess of the previous yield under existing grinding facilities. Meanwhile there is always a possibility of the Continental beet sugar estimates being moderated to some extent, while more recent reports state that the French crop may fall considerably short of expectations, and will in any case be well under last season; and, furthermore, that the German factories' estimates are under Mr. Licht's forecast. The increase in production last season, at about $3\frac{1}{4}$ million tons, resulted in the carrying of a considerable surplus into this season.

Brewers' Exhibition

THE forty-second brewers' and allied traders' exhibition and market opened on October 31, continuing until November 6. The number of exhibitors is again large and the articles shown extremely varied. Giant machinery constitutes an important section of the exhibits, most of which has been designed on a large scale for this one trade. Smaller models are often suitable for chemical trade requirements, particularly labelling and corking machines, samples of which are on view. The following are some of the exhibits which present a drug trade appeal. A. BOAKE ROBERTS & CO., LTD., occupy two stands, at which fruit essences, fruit wines and cordials occupy an important place, and it may be noted that "trufruit" extracts are entirely pure fruit products, carrying as such the company's guarantee. In the aerated water competitions the gold and silver medal awards were made to beverages prepared from "trufruit" lemon extract and soluble lemon essence. The company has recently been appointed sole distributing agents to the brewing trades in the United Kingdom of "Milton," the well-known cleansing agent and germ killer. BOOTS PURE DRUG CO., LTD., make a special feature of their All-British saccharin products, which include "550" in various packages and tablets. Attention has already been given to the new requirements regarding preservatives, and the "standard mineral water preservative" shown at the stand has been introduced to meet the regulations. A useful line of "First-Aid Cabinets" for factory requirements is also prominent. JAMES BURROUGH, LTD., rectifiers and distillers, present their stand with scenic effects to provide a suitable background for a stalwart "Beefeater," who symbolises London gin. A large show is made of products which include invalid ports, sherries, orange wine, many of which find an outlet through the drug trade. A feature that should be mentioned is the great variety of British liqueurs, some of which are sold in handsome "four-compartment" bottles. JOHN C. CARLSON has a comprehensive exhibit of Seitz' Germicide (EK) Filters, which are adapted for laboratories for serological research and the commercial production of serum. These filters are obtainable in all sizes, from 100 c.c. capacity to large filtering systems for industrial uses, the filtering medium being asbestos. INGENUITIES are offering the "Allegro" automatic honer and stropper, which both sharpens and strops old razor blades, thus effecting a considerable saving. An ingenious mechanism turns the blade over automatically and the method of using is simplicity itself. The stand of THE LONDON ESSENCE CO., LTD., is attractively designed to suggest an old London shop complete with antique glass windows. Within is shown a wide range of the numerous flavourings for aerated water and cordial manufacturers. A feature of the show is the large exhibit of "Lescol" perfumes, from the company's perfumery branch, at prices from 6d. to 30s. Mention should be made also of the fragrant "Illusion" series of floral ottos offered at remarkably cheap rates. L. LUMLEY & CO., LTD., have a huge bottle-washing machine operating which has a capacity of 3,240 bottles per hour. Ingenious devices guarantee that the bottles in their 14-minute passage through the machine are delivered scrupulously clean. Labelling machines, corking machines, which drive the cork flush or half-way, and crowning machines are included in an interesting exhibit. An unusual feature is found at the stand of MURPHY & SON, LTD., where a demonstration of how the hydrogen-ion concentration by means of the colorimetric method can be easily determined is given. To interested parties the method is carefully detailed, using a comparator designed and produced by the company. Mr. EDWARD SUTCLIFFE, maltster, whose stand is a headquarters for visitors, supplies the raw material for some of the well-known pharmaceutical malt extracts. He has been awarded the two first-class prizes in Classes IV and V of foreign malting barley. Last year he was awarded first prize (gold medal) for colonial. Among other exhibitors are:—Abol, Ltd. (horticultural washes); Edme, Ltd. (diastatic malt); Johnsen & Jörgensen, Ltd. (bottles); Paine & Co., Ltd. (malt extract); B. L. & N. Phillips, Ltd. (vermin destroyers).

Pharmaceutical Society of Great Britain

Council Meeting

A MEETING of the Council was held at 16 Bloomsbury Square, London, W.C., on November 4, Mr. Philip F. Rowsell (President) in the chair. Miss Buchanan was absent on account of a bereavement.

ELECTIONS AND RESTORATIONS

Twenty-four persons were elected members of the Society, and thirty-eight persons as student-associates. A number of persons were restored to the register, and 144 persons to the Society. The registrar reported that 186 persons had been registered as apprentices or students.

BOARD OF EXAMINERS

The following persons were appointed as examiners for England and Wales for the year 1925-26:—V. H. Blackman, Agnes T. Borrowman, O. L. Brady, William Browne, Nellie Carter, C. Doree, F. E. Fritch, R. Fouracre, S. Furnival, R. R. Gates, H. G. Greenish, J. Grier, W. F. Gulliver, P. Haas, C. H. Hampshire, W. O. Howarth, P. H. Kirkaldy, H. J. Kluge, A. W. Lupton, T. Lewis, J. R. Partington, J. W. Peck, E. Preston, J. H. Priestley, J. E. Purvis, E. J. Salisbury, P. A. W. Self, G. Senter, W. F. J. Shepheard, A. L. Taylor, T. Tickle, A. H. Ware.

EDUCATION COMMITTEE

The Education Committee submitted a report in which it was stated that they had decided to recognise three more schools for botany, chemistry and physics.

On the report of the examiners appointed to conduct the examination for the Petrie Trust bursary, they recommended that the bursary be divided between John Shearer and James A. Martin, and that a copy of the British Pharmaceutical Codex be awarded to W. C. Simpson and Charles Kellas. The report was adopted.

FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting, including a balance of £31 8s. 9d., amounted to £6,984 12s. 9d., comprising the following items:—Subscriptions, £282 9s.; examination fee, £12 12s.; registration fees, £573 6s.; restoration fees and certificates of qualification, £5 7s.; penalties, £18 16s. 8d.; "Pharmaceutical Journal" advertisements, etc., £1,185 17s. 9d.; "Pharmaceutical Journal" student-associates' subscriptions, £3 13s. 6d.; "Pharmaceutical Pocket Book," £61 12s. 4d.; Pharmaceutical Press publications, £1 6s. 3d.; School of Pharmacy, £802 5s.; "Year-Book," £2 16s. 3d.; B.P. Codex, 1923, £103 18s. 6d.; interest on investments, £241 12s. 7d.; sundries, £7 11s. 2d.; transferred from deposit account, £3,650. Payments ordered at the last meeting amounted to £6,955 5s., leaving a balance of £29 7s. 9d. The balances on the other accounts were: Benevolent Fund (current account), £18 14s. 11d.; Benevolent Fund (donation account), £37 5s. 9d.; War Auxiliary Benevolent Fund, £149 7s. 8d.; Orphan Fund, £29 0s. 6d. The report recommended that accounts amounting to £5,352 5s. 7d. be paid, and that the action of the secretary in making payments amounting to £764 13s. 6d. be approved. The report was adopted.

BENEVOLENT FUND COMMITTEE

The report of the Benevolent Fund Committee showed that thirteen applications had been considered, and grants varying from £10 to £50 had been made. Details were given of the cases dealt with during the three months ended August 31, and a table was submitted indicating a total disbursement of £470 10s. The following special contributions were announced: South-Eastern Chemists' Association, £5 5s.; Oxford and District Association, £3 3s. and £2 2s.; Reigate, Redhill and District Pharmaceutical Association, £2 2s.; Bradford and District Branch, £2; Sheffield Pharmaceutical Association, £2 5s.; T. Coulson, 19s. 4d.; F. P. Watson, 18s. 6d. The report was adopted.

WAR AUXILIARY BENEVOLENT FUND

The Committee reported that during the month four applications had been considered, and grants made ranging from £5 5s. to £100. In their quarterly report the Committee presented details of cases dealt with, showing a total disbursement of £435 for the months of June, July and August. The report was adopted.

ESTABLISHMENT COMMITTEE

This Committee authorised the Dean to accept entries for the school from students who have not yet passed the Preliminary Scientific examination on the condition that they pass that examination, or two subjects of that examination, before the commencement of the session in October. The report was adopted.

SCIENCE COMMITTEE

The members of the Science Committee had considered an extract from minutes of Council stating that the Science Committee be empowered to elect its own chairman, in lieu of the arrangement previously made whereby the chairman of the Conference was *ex officio* chairman of the Science Committee. The members approved the new method of election, and Mr. Edmund White was re-elected chairman of the Committee. The members resolved: "That the chairman of the Conference Executive be *ex officio* a member of the Science Committee." The Committee considered some recommendations concerning international assay processes for the standardisation of powerful drugs, and is collecting information with a view of recommending thoroughly tried and accurate methods. Dr. J. H. Burn was elected a member of the Committee. The 1926 meeting of the British Pharmaceutical Conference has been fixed for the week opening on Monday, August 2. The report was adopted.

This was all the public business.

North British Branch

A MEETING of the Executive of the North British Branch was held in the Society's House, 36 York Place, Edinburgh, on October 21, Mr. W. G. McNab in the chair. There were present: Messrs. Arthur, Bennett, Dick, Fisher, Forbes, Glass, Guthrie, Jack, D. G. McKenzie, McMillan, McNab, McVitae, Marshall, Meldrum, Milne, Simpson, and Stewart. The chairman voiced the gratification of the Executive at the return of Mr. Glass after a period of severe illness. He also referred to the death of Mr. James Moir, who had been a member of the Executive from 1896 to 1899; and Mr. Arthur, vice-chairman, moved that the Executive record their sense of loss and that an expression of sympathy be conveyed to his relatives. This was unanimously agreed to. The chairman, in reporting on the British Pharmaceutical Conference meeting at Glasgow, said the delegates' meetings which he attended were eminently successful from the point of view of an interesting and profitable discussion. On the social side he did not think the Glasgow Conference meeting had ever been surpassed. They would therefore take the opportunity of thanking Mr. McMillan, the guiding spirit.

NOMINATION OF EXAMINERS

The report of the Committee for Nomination of Examiners was considered, and the following resolution was unanimously adopted: "That Professor George Barger, Edinburgh; Professor William Wright Smith, Edinburgh; Dr. William Gardner Smith, Edinburgh; Joseph John Blackie, Edinburgh; John Dall, Edinburgh; John Gilmour, Dunfermline; James Alexander Gray, Helensburgh; Charles Barr Peacock Milburn, Tayport; John Henry Ramsay, Glasgow; and Charles Stephen, Dundee, be nominated for appointment by the Council as members of the Board of Examiners for Scotland for 1926."

LOCAL ORGANISATION

It was reported that a list of divisional secretaries for appointment by the Council for 1926 had been prepared, the only changes being: William Meldrum, Rothesay, for the county of Bute; William Cumming, Thurso, for the county of Caithness; and Marcus H. Stone, Glasgow, for Bridgeton district of Glasgow and its suburbs.

League of Ex-Service Pharmacists

The Resident Secretary said with regard to establishing an Edinburgh Branch of the League of Ex-Service Pharmacists that there seemed some vagueness as to how the matter should be handled; whether the Scottish branches should have any part in its operations as a piece of organisation, and whether the Executive in its relation to the Scottish branches should have cognisance of what was being done.

Mr. Guthrie explained the formation of the League, and said Mr. Chapman, Shotts, and Mr. Smith, Dundee, had been appointed to organise the League in Scotland. There had been a meeting in Glasgow with Mr. Chapman, who explained his instructions, and the local branch, realising the magnitude of the work entrusted to Mr. Chapman, had agreed to give what assistance was possible.

Mr. McMillan, chairman of the Glasgow and South-Western Scottish Branch, said they had undertaken to assist Mr. Chapman in securing the names of ex-Service pharmacists, and it had been proposed to utilise the assistance of the Society's divisional secretaries in the different localities.

The Chairman said it seemed necessary to have some co-ordination of the work, and, so far as the Edinburgh area was concerned, he had given an assurance that the branch would give any help that was possible.

The general view of the Executive was that the branches should assist the League of Ex-Service Pharmacists so far as possible.

Local Branches

It was reported that, following on the lines adopted for England and Wales, there had been sent out a communication to all the five Scottish branches with regard to arrangements for a winter programme, and offering to provide speakers or give any other assistance that was possible in aiding the committees of the various branches in carrying out the work of the branches. In the discussion it was pointed out that the largeness of the areas of the branches in Scotland and the geographical difficulties as to communication made it necessary to arrange district meetings in different parts of the area. In the case of any branch desiring to have a visit from one of the Scottish members of Council or any member of the Executive, every endeavour in that direction would be made.

Evening Meetings

Professor W. Wright Smith, M.A., F.R.S.E., F.L.S., V.M.H., Regius Professor of Botany in the University of Edinburgh, has consented to deliver the inaugural sessional address of the winter session of evening scientific meetings in Edinburgh, the subject of his address being "A Botanical Tour in the Himalaya." Arrangements were also being made for monthly evening meetings up to and including March 1926.

Education Committee Report

Mr. Arthur reported that an application from the Kirkcaldy High School for recognition for the subjects of the Preliminary Scientific examination had been granted at the last meeting of the Council in London. At the Perth Academy classes the work has been reorganised under new teachers, and it is anticipated that a new scheme will work more efficiently for the Preliminary Scientific examination. It was indicated that the new syllabus for the Preliminary Scientific examination had been so modified as to raise the question of the recognition of secondary schools in Scotland for the Preliminary Scientific examination curriculum. It was pointed out that the new scheme, by which the Chemist and Druggist examination is differentiated from the Pharmaceutical Chemist examination, might affect the wording of the ordinance of Glasgow University, which specified that entrants for the Degree examination for B.Sc. in pharmacy must have been registered as chemists and druggists under the Pharmacy Act, 1868. The wording might require to be altered to "registered as pharmacists under the Pharmacy Acts of 1852 and 1868." It was agreed that the convener should have the matter looked into.

Parliamentary Committee Report

Mr. McVitae, convener, said it had been intended to have a meeting of the Committee to deal with the Dangerous Drugs Amendment Bill. There had been an understanding that the Bill would be held over, but at the last moment it was rushed through Parliament, so that there was no opportunity of considering the proposals contained in the Bill, which had now become an Act. The Act, however, would not come into operation until an Order in Council had been issued. It was argued that as the British representative at the Geneva Convention had agreed to these provisions it therefore followed that the British Parliament must pass legislation giving effect to such an agreement. In that connection it was pointed out that the Belgian and French representatives desired permission for the pharmacist in certain circumstances to supply opium or laudanum up to a quantity of about 2 fluid drachms. This was carried by a majority at Geneva, but nevertheless there was no appearance of such a permission in the British Act. He thought it was a dangerous principle to allow one representative practically to decide a question and remove from the control of Parliament the determining voice as to what regulations should apply to dangerous drugs. It was further indicated that in a matter of this kind, in which by statute the Pharmaceutical Society was entrusted with the duty of making and administering poison regulations, this legislation had been rushed through without, as far as could be gathered, any communication of any kind to the Council of the Society, which had therefore had no opportunity of expressing any view or taking any action in connection with this legislation. With regard to the Public Health (Scotland) Amendment Bill, they had been greatly assisted by Dr. Drummond Shiels, M.P., who had supported their amendment both in the Scottish Grand Committee and in the House. The Bill as originally drafted had been materially modified, and the objection of the Executive to its including a power by Order in Council to add any disease to the list had been deleted. The Bill was now limited to the supplying of insulin or other medical treatment for diabetes. The proposal of the Executive to have inserted in the Bill by amendment a proviso that a public health authority in Scotland supplying insulin should do so through registered chemists, as in the case of National Health Insurance dispensing, had received support by Scottish members of Parliament and by the Medical Committee of members of Parliament, but had not been accepted by the permanent officials. The Bill was at the stage of third reading, and it was the intention of Dr. Drummond Shiels to bring up the amendment again at the third reading stage. With regard to the Proprietary Medicines Bill, the position was that there was no actual Bill before the country. He had noted that, speaking at Bradford, the President of the Society gave the impression not only that there was a Bill, but that it was an agreed Bill, and he appeared to assume that that Bill would receive Parliamentary sanction. Certainly that was not the view of the Parliamentary Committee. They had framed a draft Bill, sometimes spoken of as the Scottish Bill, which proceeded on a line of simply putting power in the hands of the Government Department under the Home Secretary or the Ministry of Health or Board of Health, to take effective steps to deal with any proprietary medicine which on public grounds was considered to be objectionable, but avoiding a complex and harassing and needlessly oppressive system of disclosure and registration. After a discussion, it was agreed that in any negotiations those to whom it fell to represent the views of Scottish pharmacists should be recommended to adhere to the attitude already taken up by the Executive and communicated to the Council, particularly to the views of the Executive embodied in the draft Bill which had been referred to by the convener. Evidence had been submitted to the Royal Commission from the point of view of National Health Insurance pharmaceutical service in Scotland, by the resident secretary on behalf of the General Council of Panel Chemists (Scotland). The Therapeutic Substances Act has now received Parliamentary sanction. While the point pressed for by

the Executive as to qualified pharmacists being put on the same footing as qualified medical practitioners had not been conceded, the Act had been considerably modified in the direction of the amendment pressed for.

Branch Meetings

Birmingham.—At a meeting of the Birmingham Branch, held on October 28, there was a large and representative gathering of members and student associates from Birmingham, Walsall, Leamington and Wolverhampton. Mr. E. C. Bennison, in the chair, called on Mr. P. F. Rowsell (President of the Pharmaceutical Society) to address the meeting. The speaker welcomed the presence of so many of the younger members and student associates. He pointed out that it was upon them that the future of pharmacy depended. In his remarks he would bear in mind that there must be some present to whom the information about to be supplied would be entirely new. The work of the Council was but very inadequately known, but that was due to various reasons, the principal one of which was that the nature of the business transacted was such that it could not be blazoned out before the world. As there were quite a number of those present who had examinations before them, he wanted to encourage them in their efforts. He had seen a good deal of examinations in his time, and he wished to remind candidates that as long as they knew their work there was no need for them to fear or to have misgivings. Mr. Rowsell then went on to describe some of the Society's activities in regard to law and education. Two of the things on which he would like to afford the fullest information were the Pharmacological Laboratory and the external degree in pharmacy of the London University. It would be a matter of common knowledge to them that there had been a change in materia medica, that now preparations of glands, or serums of various kinds, of salvarsan, and of other drugs were in common use by the medical man. He pointed out that the Society was unwilling to supply the much-needed want of a laboratory until hearty support of the project had been given by the Medical Research Council and the Ministry of Health. He described the nature of the premises that would be used, and showed how the authorities responsible for the Pharmacopœia of the United States had already adopted biological methods in their latest issue. Personally, he was satisfied that the Council had done the right thing at the right time. The external degree in pharmacy of the London University would help those who lived at a distance from London. He thought it was very important that students preparing for the Preliminary Scientific should take up zoology, as if the external intermediate were to follow the lines of the internal examination, that subject would be included in addition to chemistry, physics and botany. Mr. H. O. Lloyd, Member of Council, said that he felt that the Pharmacological Laboratory should be established. Vaccine therapy was here to stay, and it was essential for the pharmacist that he should be able to understand how the products are made, also that such drugs as digitalis, squill, strophanthus and others should receive the best form of standardisation. He then outlined some of the work of the Benevolent Fund, and gave some instances of its usefulness. Although the fund had a fair income, he had found that it was very difficult to make both ends meet, and would like to see this year such a return that the accumulated funds are not touched. He regretted that the sum of the contributions from individual pharmacists at Birmingham was not equal to the amounts contributed by other great cities, and he felt sure that it was only necessary to mention this for the matter to receive the attention of members.

Great Yarmouth.—The Lowestoft and Yarmouth Branch held the annual meeting on October 29, and in the absence of the chairman, Mr. P. R. Hill, owing to illness, the Vice-chairman (Mr. F. E. Whitfield) presided. The secretary read a report of the year's work and presented a statement of the accounts showing a small balance in hand. The chairman congratulated the members on the position of the branch during its first year, and suggested that apprentices in the area should be induced to become student associates. Mr. P. R. Hill (Gorleston) was unanimously re-elected *Chairman* and Mr. K. J. Rumbold (Gorleston) was elected *Secretary*.

Lancaster.—The Lancaster and Kendal Branch held its third annual meeting on October 28. In the absence through illness of the Chairman, Mr. G. M. Birkett, Kendal, presided. Mr. T. Hardy, J.P., C.C., Maryport (member of the Pharmaceutical Council and Retail Pharmacists' Union Executive), was present, and gave an address on "The New Poisons Regulations, 1924," referring also to the Dangerous Drugs Act and Amending Acts. A question was submitted that day in London upon which they would consult the Society's law officers, as to the position of a pharmacist selling a bottle of Lysol, containing not less than 50 per cent. of cresols, if he had the name stamped on the small label of the outside wrapper, which was always torn off by the purchaser of the bottle, which did not have the name and address of the seller on? The Labelling of Poisons Order, 1924, is an amendment of Section 17 of the Poisons and Pharmacy Act, 1868. Section 4, sub-section 2, read: "The said section shall have effect as if the words 'Labelled with the name of the article and the word "Poison,"' and with the name and address of the seller of the poison, were substituted the words, 'Labelled with the name and address of the seller of the poison,' with the word poison, and in the case of a preparation which contains a poison as one of the ingredients thereof, with such particulars as to the proportion which the poison contained in the preparation bears to the ingredients as may be prescribed by Order in Council." There were two conditions in the Act of 1924, the name of the poison now to be declared, and also the quantity given. It did not apply to poisons which were not within the schedule. Mr. Hardy gave examples in regard to preparations containing carbolic acid and the use of chloroform in cough mixtures. The question was how they were going to carry out the Order with justice to the public and oneself. It was now necessary to give the full name of poisons, instead of abbreviations. Mr. Hardy gave samples of this, and said that after a great deal of pressure the terms "B.P." and "B.P.C." were accepted in official preparations, such as "Liq. Morph. Hydroch. B.P.," as sufficient for the purpose. When they came to doctors' prescriptions they found that they were no longer to be regarded as a retail sale, such as Lord Reading declared them to be in the High Court during the war, when a charge of profiteering was made. The Act required, however, that repeat prescriptions be entered afresh, which was safer, or that they be entered, "Repeat such-and-such prescription" in the poisons register. When they had two or more poisons the quantities of each must be stated separately, viz.: 3.5 per cent. Tr. Camph. Co. B.P.; 0.025 per cent. Tr. Nux. Vom. B.P. These must be labelled "Poison." As to tablets, lozenges, pills, cachets, powders in package or bottle it was required that the name of the poison and the amount in each article be specified, with their name and address and the word "Poison." Mentioning that strychnine was put in liver pills, he said that such pills had killed Pomeranian dogs, which of course had a pedigree, and claims had been made against the chemist. Tonic tablets must also be described as containing poison, and the number of tablets must be specified. It would be simpler to use percentages, and to stick to one method. Stock labels could be purchased so as to add the percentages, and he gave hints respecting labels for single and compound poisons. It was significant that up to the present they had not had issued any circulars as to what was necessary through the last addition to the Dangerous Drugs Act. Heroin is banned in America and, he added, it was iniquitious when they knew the advantage derived by large numbers of people that they were not able to include it in preparations, but it could only be used when prescribed by a medical man. Unless very strong representations were made by the Pharmaceutical Society, they were going to have more legislation, and they had a surfeit already. Many penalties which did not apply to doctors, dentists and veterinary surgeons applied to pharmacists. They were also threatened with a Proprietary Medicines Bill, and

he for one did not want another horde of officials giving orders about their preparations. On the motion of Mr. A. H. Robertson, seconded by Mr. J. B. Shattock, it was decided "That this Branch assures the Council of the Pharmaceutical Society of their strong support in combating any further legislation restricting our privileges as pharmacists." Mr. J. B. Shattock, Prospect Street Pharmacy, was unanimously elected *Chairman;* Mr. A. C. Bateson, Kendal, *Vice-Chairman;* Mr. W. A. Smith, Lancaster, *Secretary and Treasurer;* Messrs. Eastwood and Cuthbert, *Auditors.* The *Committee* is: Messrs. A. H. Robertson, A. Bate (Lancaster), Smalley (Carnforth), A. W. Hankinson (Grange), W. R. A. Kent (Lancaster), and H. W. Sidebottom (Morecambe). The treasurer's statement showed a balance of £16 2s. 6½d. A suggestion was made that some of the balance should be spent in the purchase of cards explaining the provisions of the New Poisons Order. A discussion ensued on the pharmacy classes at the Storey Institute, and it was arranged that the headmaster should be interviewed on the arrangement of the course.

Portsmouth.—The annual meeting of the Portsmouth Branch was held on October 28 at the County Club, Mr. W. R. Atterbury presiding. New officers were elected as follows: *Chairman,* Mr. W. H. Bown; *vice-chairman,* Mr. G. W. Darling; *Treasurer,* Mr. W. L. Egerton; *Secretary,* Mr. F. H. Ruoff. *Committee*: Messrs. Atterbury, Baker, Fry, Greenhalgh, Hart, Hemming, Parsons, Postlethwaite, Rhodes, Roberts, Smith, and Upson. Mr. T. O. Barlow was thanked for compiling and judging the papers set for the pharmacy examination at the Technical College. Mr. Atterbury, the retiring chairman, expressed regret on terminating his office, and emphasised his appreciation of the honour of presiding over his colleagues. Three guineas was voted as a contribution to the Orphan Fund.

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts.

ENGLAND AND WALES

Local Reports

Essex.—At the quarterly meeting of the Insurance Committee, held on October 27, the recommendation of the Medical Benefit Subcommittee that the scheme for the testing of drugs and appliances be approved was adopted. The Medical Benefit Subcommittee further reported that they had had before them additional information from the Pharmaceutical Committee as to arrangements made for the supply by chemists of drugs and appliances on early closing days and Sundays.

Exeter.—At a meeting of the Insurance Committee on November 2, Mr. H. H. Brimblecombe presiding, the subject of the making up of urgent prescriptions by chemists was raised, and it was decided to discuss the matter with the Medical and Pharmaceutical Subcommittees.

Gateshead.—At the quarterly meeting of the Insurance Committee, recently, it was reported that drugs and appliances in the area are being systematically tested. The number of insured persons in the area on October 1 was shown to be 50,780. Revised proposals were adopted regarding the dispensing of urgent prescriptions, it being agreed to prepare rotas of chemists.

Kent.—At a meeting of the Insurance Committee, on October 28, the Pharmaceutical Subcommittee reported having dealt with a complaint by an insured person against a firm of chemists whose assistant had made a mistake in labelling medicine, and who, it was alleged, was rude when his attention was called to the matter. The complaint was found substantiated.

London.—At the annual conference of local medical and panel committees, held at the British Medical Association House, Tavistock Square, on October 22, Dr. H. R. Brown (Essex) moved that the Insurance Acts Committee be instructed to take steps to obtain an increase in the remuneration paid to rural practitioners who undertook to do their own dispensing. He said that the difference between the average cost of drugs dispensed by a pharmacist in the area of the Essex Insurance Committee and the amount of the capitation payment to rural practitioners for the purpose of dispensing drugs was 2.7d. per insured person per quarter for the year 1924. Obviously, if the doctors were paid 6d. a quarter and the pharmacists 8.7d., either the former were underpaid or the latter overpaid. He was able to bring forward evidence that dispensing was really being done at a loss. In his own practice he found that the cost to him for dispensing (including two-thirds of the dispenser's salary and the net cost of drugs, but not including rent for the dispensary) for his insured patients amounted to £84 in the year, and he was paid on the capitation basis £72. The resolution was passed.

Nottinghamshire.—During the quarter ended June 30 86,028 prescriptions were dispensed, value £2,731 14s. 1d., an average cost of 7.6d. per prescription. In addition 277 prescriptions for insulin were dispensed, value £96 6s. 6d., and 41 prescriptions for serums and vaccines, value £3 6s. 7½d.

Portsmouth.—The Insurance Committee, at their monthly meeting on October 29, approved payments to the chemists for July amounting to £532 14s. 5d., and for August £629 16s. 5d. The register count showed a total of 73,434 contributors, which represented a decrease of 409 on last year.

Sheffield.—The Insurance Committee is to recommend the Ministry of Health to withhold the sum of £10 from a chemist who employed an unregistered person to dispense prescriptions not under proper supervision. Chemists' accounts for October amounted to £1,717 10s.

Welsh Insurance Committees.—Professor W. Jenkyn Jones, Cardigan, presided at the annual conference of the Association of Welsh Insurance Committees at Merthyr Tydfil on October 29. The annual report included references to a more efficient medical and pharmaceutical service, the extension of medical benefit to dependents, the standard of drugs and appliances. The opinion of the Association was reaffirmed that insured persons should be entitled to obtain free of cost all appliances recommended by Panel practitioners. Mr. Rowland Jones, Denbigh, was elected *President* for the ensuing year.

SCOTLAND

Dundee.—The cost of the Insurance prescriptions dispensed from January to June 1925, was as follows:—Cost of prescriptions, £5,494; number of forms, 85,861; average price per form, 1s. 3½d.; average cost per person, 1s. 5d.; number of persons on doctors' lists, 77,214; number of doctors on panel, 66. At a meeting of the Pharmaceutical Committee, held on October 20, Mr. Charles Stephen, Ph.C., presiding, the subjects for discussion were: Pharmaceutical service for 1926, Emergency list of drugs and appliances, and Report of drug accounts' committee. It was resolved to oppose any efforts to cut down the cost of drugs, as would result from quoting the price per lb. for drachm quantities.

SOUTH AFRICAN DUTY ON INFANTS' FOODS.—Questions over the enforcement of the new Customs tariff continue to be thrashed out. The tariff was framed by the Board of Trade on the principle that further protection should be given to local industries, but the interpretation of the tariff rests with the Customs Department. In the old tariff infants' foods were not classified, and were imported at a 20 per cent. duty. The Board of Trade thought such a duty was too high on such an essential, and as none was manufactured locally, inserted the item "infants' foods" in the tariff to carry a 15 per cent. duty. But Lactogen was imported under the old tariff at 1d. per lb., which is very much less than the new duty. The Commissioner of Customs, however, ruled that it should come under the heading of infants' foods. As a consequence of the Commissioner's ruling, which has been confirmed by the Minister of Finance, the selling price of Lactogen has had to be increased by an amount which will represent nearly a shilling on a large tin to the consumer.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which mucb expense may be incurred in garbling, packing, etc. Qualities of cbemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and bigher prices than those here quoted are cbarged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C.4, November 5.

BUSINESS in the Mincing Lane drug markets has turned very quiet this week, and there is comparatively little of interest to report, values being mostly unaltered. Ergot, senega and rhubarb remain firm; saffron is dearer. Menthol is inactive, and Japanese peppermint oil quiet, with a firm undertone. Cocoa butter and Zanzibar cloves are easier. Chinese star anise is dearer; calamus and sumbul roots are cheaper. Shellac is dearer. In the group of pharmaceutical chemicals a fair business continues to be done, with few changes of importance. Bromide salts are unsettled, and prices are the turn easier; choral hydrate is slightly cheaper. Paraformaldehyde and salol are firmer. Citrates have been advanced by 2d. per lb., and calomel is dearer. Among industrial chemicals the better tone recently reported is maintained. Acetone and formaldehyde continue active and firm. Lead and zinc products are dearer; sodium sulphide is easier, and carbolic acid crystals remain dull. Business in so-called vegetable oils has not improved, and the bulk of price movements is downwards, turpentine and linseed oil being notable exceptions. Cotton oils have declined considerably; castor is lower, while ground nut, soya, wood and palm kernel are easier; palm is steadier.

Higher	Firmer	Easier	Lower
Anise, star	Cantharides	Ammon. chlor.	Ammonia, anhyd.
Calomel	Citronella oil (Russ.)	Anise (star) oil	Benzonaphthal
Cevadilla seed	Citronella oil (Jv.)	Belladonna leaves	Calamus root
Cinnamon	Lead products	Canella alba	Castor oil
Ferri ammon. cit.	Lemongrass oil (Cochin)	Chloral hydrate	Cotton oils
Mercury	Linseed oil	Cloves	Geranium oil
Potassium citrate	Paraformaldehyde	Cocoa butter	Ground nut oil
Saffron	Patchouli oil	Palm kernel oil	Opium
Shellac	Salol	Soda benzoate	Pot. bromide
Sodium citrate		Sodium sulphide	Soda diethylbarb.
Turpentine		Soya root	Sumbul root
Vetivert oil		Valerian root	Sundew herb
Zinc oxide		Wood oil	

Exchange Rates on London

The following is a list of Continental and other exchange rates against the pound sterling on London prevailing at 4 p.m. on Wednesday :—

Place	Method of Quoting	Par of Exchange	October 28	November 4
Amsterdam	Fl. to £	12.107	12.04⅛—12.04⅜	12.04⅛—12.04⅜
Berlin ..	M. to £	20.43	20.35½—20.36½	20.35—20.36
Brussels ..	Fr. to £	25.22½	106.95—107.05	106.90—107.00
Bulgaria	Lev. to £	25.22½	660—680	660—680
Calcutta ..	Per rup.	24d.	18 $\frac{3}{16}$d.—18 $\frac{3}{8}$d.	18 $\frac{3}{16}$d.—18 $\frac{3}{8}$d.
Constntnple	Pst. to £	110	850—865	850—865
Greece ..	Dr. to £	25.22½	365—368	349—352
Hong Kong	T.t. $	—	29d.—29 $\frac{1}{16}$d.	28 $\frac{3}{4}$d.—29 $\frac{3}{16}$d.
Italy ..	Lire to £	25.22½	122¼—122⅝	122½—122⅝
Kobe ..	Yen	24.58d.	20 $\frac{3}{16}$d.—20 $\frac{5}{16}$d.	20 $\frac{1}{16}$d.—20 $\frac{3}{16}$d.
Lisbon ..	Escu.	53¼d.	2 $\frac{1}{16}$d.—2 $\frac{1}{8}$d.	2 $\frac{1}{16}$d.—2 $\frac{1}{8}$d.
Madrid ..	Pts. to £	25.22½	33.81—33.83	33.93—33.95
Montreal..	$ to £	4.86⅔	4.83$\frac{7}{8}$—4.84	4.84⅛—4.84⅜
New York	$ to £	4.86⅔	4.84$\frac{3}{8}$—4.84 $\frac{13}{16}$	4.84 $\frac{11}{16}$—4.84$\frac{7}{8}$
Oslo ..	Kr. to £	18.159	23.80—23.85	23.76—23.80
Paris ..	Fr. to £	25.22½	116.20—116.30	119$\frac{3}{4}$—119$\frac{7}{8}$
Singapore	Per dol.	—	28⅛d.—28¼d.	28⅛d.—28¼d.
Switzerland	Fr. to £	25.22½	25.14—25.16	25.14⅛—25.15⅛
Vienna ..	Sh. to £	24.02	34.37—34.42	34.36—34.40
Warsaw ..	Zloty to £	25.22½	28½—29½	28¾—29⅛

Cablegram

NEW YORK, November 4.—Business is quiet. Peppermint oil in tins is firm at $19.00 per lb. Curaçao aloes has advanced to 11c., and mandrake root to 11½c. per lb. Balsam Peru has advanced to $1.80 per lb., and balsam Canada to $11.25 per lb. Hydrastis is cheaper at $4.45, and jalap has been reduced to 24c. Belladonna root is lower at 13c., and copaiba at 42c. is also lower.

Crude Drugs, etc.

AGAR AGAR is quiet, with No. 1 Japanese offering at 4s. 6d. per lb., and No. 2 at 4s. 3d. on the spot.

ALMONDS.—Jordan and Valencia are in good demand and unchanged. Morocco are steady at 180s. to 182s. 6d. with small spot supplies. Sicilian are rather lower, Majorca being steady and Bari too high to operate in.

ALOES.—Curaçao in cases is in fair demand, spot values ranging from about 65s. up to 85s., and 90s. for good livery; and tale quale for forward delivery is quoted about 56s. c.i.f.

ANISE, STAR, is higher, and for a parcel shortly landing 72s 6d. per cwt. is quoted. Hamburg quotes 70s. c.i.f., and reports higher prices with a reduction in stocks.

ANTIMONY.—The tendency of prices is still upward on a moderately active demand and limited supplies. Chinese regulus on the spot is about £72 10s. to £73, while parcels afloat range upward of £71 10s. c.i.f. English refined ranges from £80 to £85.

ANTS' EGGS.—Prime clean are offered from Hamburg at 2s. per lb. c.i.f. gross for net.

BALSAMS.—*Canada* in original cases is quoted at 4s. 9½d. per lb. c.i.f. London. *Tolu* is 4s. 9d. to 5s. per lb. spot.

BELLADONNA LEAVES offer at 8d. per lb. for good green on the spot.

CADMIUM continues irregular, but there is a good demand for Australian metal, which is 1s. 9d. per lb., and for American 2s. is quoted.

CALAMUS ROOT.—Split and peeled is offered at 29s. per cwt. c.i.f. gross for net, and spot supplies are available at about 30s. per cwt.

CAMPHOR (REFINED) is quiet, Japanese 2½ lb. slabs offering at 3s. 9d. per lb., and for October-December shipment 2s. 6¾d. c.i.f. is quoted.

CANTHARIDES.—Russian are quoted from Hamburg at the higher price of 2s. 9d. per lb. c.i.f.

CARAWAY SEED is now firm, with sales of new crop Dutch at 25s. per cwt. c.i.f.

CASCARA SAGRADA is quiet, with new peel offering at 55s. c.i.f. New York (October 22) reports increased buying for export and a firmer tendency.

CEVADILLA SEED is dearer, prime decorticated quality selling at 72s. 6d. per cwt. c.i.f. gross for net.

CINNAMON is dearer, Ceylon firsts being 2s., seconds 1s. 11d., thirds 1s. 9d., and chips 4¾d. per lb. on the spot.

CLOVES are easier with Zanzibar offering on the spot at 10¾d. to 11d. per lb. To arrive, October-December shipment has been sold at 10d. c.i.f., to 9⅞d. c.i.f., and the value of January-March shipment is 10½d. c.i.f. The statistics for the week ended November 2 show 624 bales were landed and 339 delivered, leaving a stock of 8,618, against 18,997 in 1924, and 19,434 in 1923. So far this year the landings have been 12,411, against 38,814 last year, and the deliveries 18,897, against 39,914 in 1924.

COCOA BUTTER is easier, C.F.R. offering on the spot at 1s. 5⅛d. per lb., and prime English at 1s. 5d., in not less than one-ton lots.

COD-LIVER OIL is steady, with sales of finest non-freezing steam-refined Norwegian at from 152s. 6d. to 155s. per barrel, c.i.f. London; spot value is about 158s. Our Bergen correspondent writes on November 2 that there is no improvement in the demand, and the price is easier.

CONDURANGO is offered from Hamburg at 4¾d. per lb. c.i.f. gross for net.

DROSERA HERB is offered at 6s. 9d. per lb. c.i.f.

ERGOT.—Small lots of sound Spanish are available on the spot at 3s. per lb., and Spanish could probably be bought at 2s. 11d. c.i.f. In response to cable inquiry, Portugal reports "stocks exhausted." Several small lots of Spanish have arrived in London this week.

FENNEL SEED.—New crop German fennel is quoted at 47s. 6d. per cwt. c.i.f. gross for net.

GLUCOSE.—Guaranteed water-white for November-March delivery is quoted at 23s. per cwt., and January-March delivery at 22s. 6d., duty paid, landed terms.

GUINEA GRAINS offer at 48s. per cwt. c.i.f. gross for net.

HENBANE LEAVES.—Russian is offered at from 65s. to 67s. 6d. per cwt. on the spot.

IPECACUANHA is quiet, with sellers of fair sound Matto Grosso at 12s. per lb.

ISINGLASS.—The next public auction will be on November 24.

MENTHOL is inactive in Mincing Lane, with dealers reporting a small consumptive demand. Small sales of Kobayashi-Suzuki have been made at 43s. 6d., with 44s. to 44s. 6d. asked. Forward prices are unchanged, September-October shipment offering at 37s., October-December at 35s., and January-March at 34s. c.i.f.

MERCURY.—The market continues on the stringent side, quotations on spot ranging from £14 7s. 6d. to £14 12s. 6d. per bottle, with not much offering. There has been a steady demand, and a fair business has been done from day to day, although no further important business has been reported for export. The arrivals in October were, so far as can be gathered, small, and to that extent the position has been strengthened. The position as regards Spanish producers has remained obscure, nothing reliable being heard as to the rumoured contract alleged to have been come to to dispose of the current output.

OPIUM.—Owing to several arrivals having taken place from Turkey, sellers of 11 to 12 per cent. druggists' quote 2s. to 2s. 1d. per unit, being cheaper. Demand is very quiet and sellers are keen. Opium valued at £11,850 has been imported from India in the name of the High Commissioner for British India, and £9,725 worth has also arrived from Turkey.

CONSTANTINOPLE, October 24.—"During the period October 6 to date arrivals were as follows:—Druggists', 938; 'softs,' 163; and Malatia, 107 cases. The stock amounted to:—Druggists', 412; 'softs,' 87; and Malatia, 75 cases. Sales included 154 cases druggists' at £T21-24, according to quality; 29 cases 'softs' at £T23½-29½; and 2 cases Malatia. Sales were readily effected since the demand for Europe is maintained."

In its October issue the "Trade Journal" of the British Chamber of Commerce in Turkey states that September sales amounted to 311 cases, of which 32 were "soft" (Hadjikeuy), bought at 29 liras, and 279 "druggists'" at from 24⅜ liras down to 24 per oke for Karahissars, 23¼ to 22 for Balukissers, 22 for Nallihan, and for low-grade Kutahias, 19 to 17½ liras. The Continent has been by far the largest buyer, for prices, though perhaps not low enough yet to tempt users to buy freely, have declined to a more reasonable level. Local dealers have not had to break prices much below lowest prices realised end August to bring about this demand; it was the higher rate of sterling exchange which helped buyers very considerably.

PEPPER has fluctuated, the spot price of fair black Singapore closing at 10½d. per lb. To arrive, January-March shipment is offered at 10½d. c.i.f. Lampong is 10⅜d. spot, and October-December has been sold at 10⅜d., to 10½d., and January-March at 11d. to 11⅜d. c.i.f. White Muntok pepper closes at 1s. 2½d. per lb. on the spot; to arrive, October-December shipment has been sold at 1s. 1¾d. to 1s. 1⅞d. to 1s. 1⅝.; January-March at 1s. 2¾d. to 1s. 2¾d. to 1s. 2¼d., c.i.f., f.a.q. Singapore on the spot is 1s. 2¼d.

PIMENTO is steady on the spot at 5½d. per lb., and forward prices are slightly easier.

QUILLAIA is offered from Hamburg at £33 per ton c.i.f. gross for net. In Liverpool £28 to £29 per ton is quoted.

RHATANY ROOT.—Payta is quoted at from 48s. 6d. to 56s. per cwt. c.i.f. gross for net.

RHUBARB.—Spot stocks are at present lower than they have been for some years, and firmer prices are to be expected. Good Shensi ranges from 3s. to 3s. 6d. per lb, and flat high-dried is 1s. 11d. to 2s. Small lots of Canton are obtainable at 2s. 6d. For good, rough round High-dried 1s. 6d. has been paid.

RUBBER is practically unchanged, in spite of the fact that only 10 per cent. additional rubber is to be allowed to be exported over the current quarter, viz., November-January, from the East. For the past week prices have scarcely fluctuated ⅛d. per lb., and the spot demand has considerably eased. In spite of this lack of interest the market shows no tendency to sag, and at the close prices were quite steady. Both from America and the Continent there has been an an absence of demand, but the smallness of the arrivals counteracts any appreciable drop in the spot quotation. On Monday a fair amount of interest was evinced, and prices hardened by 1d. per lb., but this increase was speedily lost later in the day. Stocks last week were again reduced by 201 tons, and the London stock now stands at 4,932 tons. Arrivals over the next few weeks may be expected to increase considerably. Quotations (Wednesday, 5 p.m.): No. 1 standard ribbed smoked sheet, spot, 3s. 11½d.; November-December, 3s. 10½d.; January-March, 3s. 6d. per lb.

SEEDS.—The market continues inactive, with no desire on the part of buyers to purchase a fraction more than hand-to-mouth requirements. Prices are therefore as given in our last issue.

SENEGA is quiet but firm, with small sales at 2s. 9d. per lb. spot, and to arrive 2s. 11d. to 3s. c.i.f. is quoted.

SHELLAC.—As expected, there was a considerable decrease in the stocks amounting to 2,752 cases for October, while the deliveries of 5,496 cases went against landings of only 2,744 cases. The stocks were returned at 8,195 cases. The spot market is 5s. higher, usual standard TN orange quality offering at 240s., fine second orange 250s., superfine 270s. to 310s., and AC cakey 215s. Futures are also dearer, the sales including December at 212s. 6d. to 225s. to 222s. 6d., and March 202s. 6d. to 215s. to 212s. 6d.; to arrive, TN for November-December shipment has been sold at 205s. to 210s., c.i.f.

STARCH PRODUCTS, ETC.—Dutch *maize starch powder* (cornflour) is quoted on the spot at 16s. 3d. per cwt., and for January-March shipment 14s. 6d. f.o.b. is quoted. American for November delivery is 16s., December 15s. 6d., and January-March 14s. 9d. Pearl starch for November delivery is 15s. 6d., December 15s., and January-March 14s. 3d., ex store London. Dutch for October-November delivery is 15s. 6d., and January-March 15s. 3d. f.o.b. Dutch *farina* is 16s. 6d. per cwt. on the spot and 15s. 3d. f.o.b. for October-December shipment; Polish 14s. f.o.b. Continental port, with a good business passing. Dutch *maize starch crystals*, 20s. 6d. on the spot, and American 21s. for October-March delivery. Dutch *dextrin* is 23s. for superior on the spot, and 22s. for No. 2. American canary is 19s. 3d. for November-December delivery, and 18s. 6d. for January-March. White is 19s., and January-March 18s. 3d., ex store.

SUMBUL ROOT is cheaper at about 8s. per lb. on the spot for Russian; Hamburg offers in quantity at less.

TARAXACUM.—German autumn-dug is somewhat scarce, offering at 69s. per cwt. c.i.f. gross for net.

TONKA BEANS.—The "Redstart" has brought 24 casks *via* Amsterdam. Angostura is quoted at 6s. 6d., and Para 2s. 3d. to 2s 6d. per lb.

VALERIAN ROOT.—Belgian for prompt shipment is quoted at 100s. per cwt., c.i.f., gross for net, and German at 120s.

VANILLA.—An auction of 250 tins will be held by three brokers on November 6. New crop Bourbon beans are offered at attractive rates, and a fair amount of business has been done. Small spot sales have been made at 16s. to 17s. per lb. for first quality, length 6 to 8 inches.

WAX, JAPANESE, is steady, with spot sales at 85s. per cwt., and for October-December shipment, 82s. 6d. c.i.f. is quoted.

Essential Oils

THE demand this week is quieter generally and price changes are unimportant. Japanese peppermint is less active and values are slightly easier. Cochin lemongrass has improved and Java citronella is firmer. Patchouli oil is dearer, Bourbon vetivert has advanced considerably at the source; geranium is lower, both Bourbon and Algerian.

ANISE (STAR).—"Red Ship" on the spot is dull and easier at 3s. 4½d. to 3s. 5d. per lb., and for shipment 2s. 10d. c.i.f. to arrive is quoted for drums. Cases are unchanged at 3s. 2d. c.i.f.

BERGAMOT is quieter this week, with sellers of 37 to 38 l.a. on the spot at 22s. 6d. to 24s. per lb. as to brand, and supplies appear to be scarce.

CAMPHOR.—White essential on the spot is unchanged at 51s. per cwt. in drums, and 53s. for cases.

CASSIA on the spot is unchanged, with sellers at 10s. to 10s. 6d. per lb. for 80 to 85 c.a. For shipment, 9s. c.i.f. would be considered.

CEDARWOOD.—American in drums is steady at 2s. 4½d. per lb., smaller lots at 2s. 6d. to 2s. 7d.

CITRONELLA.—Ceylon on the spot is steady at 1s. 10d. per lb. and for shipment easier at 1s. 8½d. c.i.f. to arrive. Java oil is steady at 3s. 2d. on the spot. To come forward is dearer at 3s. c.i.f.

CLOVE.—English distilled is quoted on the spot for average quantities at 6s. 6d. per lb.

GERANIUM.—Bourbon is weaker on the spot, with sellers at from 14s. to 14s. 6d. per lb. Algerian appears in little demand and cheaper at the source, with current offers at 160 fr. (=12s. per lb.) per kilo, c.i.f.

JUNIPER BERRY.—B.P. oil is slow of sale at 7s. 9d. per lb. on the spot.

LAVENDER.—French oil, 38 to 40 ester, is quiet, and the decline in the French exchange makes the price in sterling easier. On the spot, from 24s. 6d. to 27s. 6d. per lb. is quoted as to seller.

LEMON on the spot continues to be offered over a fair range of prices. From 6s. to 6s. 3d. per lb. is wanted for well-known brands, but there are still sellers at much cheaper rates. The high level at the source is maintained; from 5s. 10d. to 6s. c.i.f. is quoted for new crop, and up to 6s. 5d. c.i.f. for prompt shipment.

LEMONGRASS.—Cochin is dearer at 4s. 1d. per lb. on the spot and 3s. 11d. c.i.f. to arrive.

LIME.—The "Student" has brought 61 packages from Dominica. These, we understand, are sold to arrive. Value is 9s. to 9s. 3d. per lb. Hand-pressed is nominal at 20s.

ORANGE.—Sicilian sweet on the spot is quoted at 9s. 6d. to 10s. per lb.

PATCHOULI has been in fair demand and prices are tending firm at from 13s. 9d. to 14s. per lb. for usual Singapore quality.

PEPPERMINT.—American natural tin oil is firmer, 75s. to 78s. 6d. per lb. c.i.f. being quoted for branded goods. Opinions have been expressed that, in view of the concentrated buying on the part of American consumers, further advances are not improbable. On the spot, limited lots are available at 76s. to 78s., the demand for which is quite hand to mouth. Japanese oil has been less active during the week, and prices are slightly easier in all positions, but the undertone remains firm. There are sellers on the spot at from 28s. to 28s. 6d. per lb., although some holders are still quoting more. For parcels afloat 24s. to 24s. 6d. was current on Wednesday; November, 22s. to 22s. 6d.; October-December, 19s. 6d. sellers; January-February, 17s. 3d.; January-March, 16s. 6d. (paid) to 16s. 9d., all c.i.f. to arrive.

PETITGRAIN.—Paraguayan on the spot has been quoted at 8s. 6d. per lb.

ROSEMARY.—Spot supplies of Spanish are scarce, pending the arrival of new crop, which is offered at 2s. 2d. per lb. landed for tip-top oil.

ROSEWOOD (BOIS DE ROSE) is firmer in francs, but the price in sterling is unchanged, with sellers at around 12s. 6d. per lb.

SASSAFRAS.—Genuine American oil is offering on the spot at from 4s. 9d. to 5s. per lb.

SPIKE.—New crop Spanish is offered at 4s. 9d. per lb., delivered London.

VETIVERT.—Bourbon is much dearer at the source and very scarce. New crop will not be distilled till April or May, and further rises are expected. Spot is quoted at 50s. per lb., with not much offering.

The following arrivals of essential oils have taken place from the countries named during the period October 29 to November 4 inclusive: Almond (Fr.), 9 cs.; anise (star), (Fr.), 20 cs.; bergamot (It.), 1 cs.; cassia (Ch.), 25 cs.; cinnamon (Seych.), 2 dm.; citronella (Guatemala), 24 dm., (Ceylon), 7 dm.; ho (Japan), 10 cs.; lemon (It.), 293 cs.; lime (Fr.), 1 cs.; lime terpenes (Fr.), 3 cs.; mandarin (It.), 2 cs.; nutmeg (U.S.), 6 cs., (Germ.), 2 cs.; orange (It.), 16 cs., (U.S.), 2 cs.; palmarosa (Br. Ind.), 4 pots; patchouli (Seych.), 1 cs.; peppermint (Jp.) 65 cs., (U.S.) 13 cs., (It.) 8 cs., (Fr.) 5 cs., (Holl.) 4 cs., (Sp.) 10 cs.; rose (Anatol.), 1 cs.; rosemary (Sp.), 2 dm.; rosewood (Fr.), 18 dm.; sassafras (U.S.), 1 cs.; spearmint (Germ.), 1 cs.; spike (Sp.), 11 dm.; thyme (Germ.), 4 dm.; wormwood (Germ.), 2 cs.

Pharmaceutical Chemicals, etc.

VERY fair business continues on spot, and a generally steady tone is reported, with practically no change of importance to record. It seems that bromides are not likely to break down to any extent. Citrates are 2d. per lb. higher. Some Continental quotations (from Germany) for pharmaceutical products are rather firmer.

ACETANILIDE (B.P. crystals and powder) holds steady on spot at about 1s. 7½d. to 1s. 8d. per lb., with business fairly good.

AMIDOPYRIN remains dull on spot with dealers offering at about 12s. 9d. to 13s. per lb.

ASPIRIN continues to attract quite good business, and prices for five-cwt. lots are now at about 2s. 5½d. per lb. Smaller lots are 2s. 6d. to 2s. 6½d. per lb.

BARBITONE does not move much; dealers continue to offer spot at about 10s. per lb.

BENZALDEHYDE (0.03) remains quiet, but the spot price is steady at about 2s. 9d. per lb.

BENZOIC ACID (B.P.).—British makers offer ex works at about 2s. to 2s. 6d. as to quantity. Continental make, practically free from chlorine, spot, is 3s. 6d. per lb., in small parcels.

BENZONAPHTHOL finds little business; dealers' prices are a little cheaper in the region of 3s. 3d. to 3s. 6d. per lb.

BETANAPHTHOL.—Resublimed is slow with prices fairly steady at about 2s. 10d. to 3s. per lb.

BROMIDES.—The position seems unsettled for the time being, but there is a firm undertone. The German bromide convention has broken up, but the bromine convention continues in operation. While there may be isolated and distressed parcels offering at cheap rates, no great break in bromide prices are expected. Spot, ammonium, about 2s. 4d.; potassium, B.P. crystals and granular, 1s. 9d. to 1s. 10d. per lb.; sodium, B.P. crystals and granular, 1s. 11d. to 2s. per lb. There was a brisker demand for bromides (says a German report), and the break-up of the German bromide convention (not the bromine convention, as mentioned in the *C. & D.* last week) has not been followed by a drop in prices; on the contrary, the market shows signs of firming up. Some transactions were concluded, potassium bromide fetching $66, and sodium bromide $65 per 100 kilos.

CALCIUM LACTATE continues steady with fair business at about 1s. 4d. to 1s. 6d. per lb.

CHLORAL HYDRATE.—Duty-paid crystals continue in fair demand with dealers' prices at about 3s. 4d. to 3s. 6d. per lb.

CITRATES.—For particulars of the 2d. per lb. advance in ferri ammon. cit., potassium and sodium citrate, see the paragraph at end of "Pharmaceutical Chemicals."

CITRIC ACID (B.P. CRYSTALS).—There is no further change to report, and business is very quiet. Spot and forward, 1s. 3¼d. to 1s. 3½d. per lb., for foreign in quantities.

CREOSOTE (B.P.) is steady but quiet on spot at 2s. to 2s. 1d. per lb.

CREOSOTE CARBONATE shows no change with the market dull; spot, 6s. 6d. to 6s. 9d. per lb.

GUAIACOL CARBONATE has been in a little demand at about 6s. 6d. per lb.

HEXAMINE.—Large parcels continue to be offered at about 2s. 4d. per lb. Ordinary spot sales are being made at about 2s. 4½d. to 2s. 5d. per lb.

HYDROQUINONE has remained quiet, as is to be expected at this time of the year; dealers quote spot at 4s. 2d. to 4s. 4d. per lb.

LACTIC ACID (B.P.) is unchanged at 2s. 4d. in bulk and 2s. 6d. per lb. in bottles. Technical, 50 per cent. by weight, £42 per ton, spot, net.

MERCURIALS.—Owing to the recent rise in metal, makers contemplate an advance in the salts. Calomel is already higher at from 4s. to 4s. 3d. per lb. as to quantity.

METHYL SALICYLATE has been a bright item with prices for quantities in carboys steady at about 1s. 7½d. to 1s. 8d. per lb.; in bottles, 2s. per lb.

METHYL SULPHONAL is flat with dealers' prices about 16s. 9d. to 17s. 3d. per lb., spot.

MILK SUGAR.—Finest Dutch, B.P., continues to be offered at 74s. to 75s. per cwt., spot.

PARAFORMALDEHYDE is now firmer, and a fair business continues at about 1s. 11d. to 2s. 2d. per lb. as to quantity.

PARALDEHYDE is rather quiet with prices from 1s. 2d. to 1s. 4d. per lb., according to quantity and packing.

PHENACETIN.—Dealers' prices range from 4s. per lb. to 4s. 4d. per lb., the former price for very large quantities only. Business has been moderate.

PHENAZONE is steady with the spot prices of 6s. 3d. to 6s. 4d. per lb. fully supported by Continental offerings.

PHENOLPHTHALEIN has been in fair request with prices steady at about 4s. 1d. per lb. for one-cwt. lots, spot. Smaller lots up to 4s. 3d. per lb.

POTASSIUM PERMANGANATE (B.P.).—Attractive offers for shipment from the Continent continue at about 7½d. to 7¾d. per lb., for quantities in drums; spot, about 8d. to 8⅛d. per lb.

POTASSIUM SULPHOGUAIACOLATE.—The German makers have formed a convention, fixing the price at 8m. per kilo; this is regarded as an important step in view of the export trade; stocks in the "open" market are cleared in Germany.

RESORCIN is unsteady on offer, with isolated quotations at 3s. 9d. per lb. for quantities; other offers are at 4s. to 4s. 2d. per lb.

SALICYLIC ACID (B.P.).—Spot prices are steady at about 1s. 4d. per lb. for five-cwt. lots, and some business has been done close up to this figure; smaller lots from 1s. 4½d. to 1s. 5d. per lb.

SALOL is rather dearer, with very little offered below 3s. 2d. to 3s. 4d. per lb., spot.

SODIUM BENZOATE (B.P.) is slightly easier at about the quoted rates of 1s. 10d. to 2s. per lb., the lower price being for one-cwt. lots.

SODIUM DIETHYLBARBITURATE.—Dealers offer at the cheaper rate of 12s. per lb.

SODIUM SALICYLATE (B.P.).—So far as dealers are concerned, prices are well held and business is satisfactory; crystals, about 2s. 1d.; powder, about 1s. 11d. to 2s. per lb.

SULPHONAL continues unsteady with offers on spot varying from 11s. 9d. to 12s. 6d. per lb.

TANNIC ACID.—B.P. *levis* is steady with the spot value near to 2s. 9d. to 2s. 9½d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—There is no improvement in demand with dealers offering for shipment in quantities at about 11⅜d. to 11½d. per lb., less 5 per cent.

THYMOL (B.P. FINE WHITE) is steady on a quiet market at about 13s. per lb., spot.

VANILLIN (100 per cent. from cloves) is steady but slow at about 22s. per lb.

The following are makers' prices (per lb., unless otherwise quoted):—Acid camphoric, 21s. to 19s.; iron ammonium citrate: B.P., 2s. 1d. to 1s. 10d.; U.S.P., 2s. to 1s. 9d.; green, 2s. 7d. to 2s. 2d.; potassium citrate, 2s. to 1s. 9d.; sodium citrate, B.P.C. 1911, 1s. 9d. to 1s. 6d.; U.S.P. ditto, 2s. to 1s. 9d.; sodium nitroprusside, 16s.; sodium sulphide, pure recryst., 1s. 2d. to 10d.; ether, 720, 1s. 5½d. to 1s. 1½d.; ether, 720 purif., ex s.v.m., 2s. 3d. to 1s. 11d.; potassium acetate, 1s. 4d. to 1s. 1d.; terebene, 2s. 3d. to 2s.; acid phosphoric, sp. gr. 1.750, 1s. 1d. to 11½d.; cadmium sulphate, pure, 4s. 3d. to 4s. per lb. Bismuth salts: carbonate, 14s. 9d. to 12s. 9d.; subnitrate, 12s. 9d. to 10s. 9d.; citrate, 13s. 4d. to 11s. 4d.; salicylate, 12s. 2d. to 10s. 2d. per lb.

Industrial Chemicals, etc.

London, November 4.

THE better tone recently recorded in the heavy chemical market is maintained in most directions. Acetone and formaldehyde continue active and firm. Arsenic remains flat. Most textile chemicals have received more attention from buyers.

ACETIC ACID, controlled by the Convention, continues steady on spot, with business gradually increasing: 80 per cent. technical, £38; 80 per cent. pure, £39 per ton, in barrels; glacial, pharmaceutical, 99 to 100 per cent., £65 5s. per ton, in glass demijohns; glacial, in barrels, £55 per ton, ex wharf.

ACETONE is short on spot, and there is plenty of inquiry. G.B.S. in drums, ex wharf, is firm at £78 to £80 per ton.

ALUM continues to be offered on spot at about £9 per ton for lump in casks: a little more interest is shown.

AMMONIA (ANHYDROUS).—Competition for limited business has been severe and sales prices are lower at about 1s. 3d. to 1s. 3½d. per lb. for 99.95 per cent., in loaned cylinders.

AMMONIUM CHLORIDE.—Grey galvanising quality is a shade cheaper on spot as offered by dealers at £25 per ton, in casks; business fair.

ARSENIC.—The slackness of demand continues, but prices for white Cornish are no worse, being on the basis of £15 to £15 10s. f.o.r. at the mines. In America, the price stands at 3½ cents per lb. upwards, and business there is very slow.

BARIUM CHLORIDE is firm with a much better demand. Prices for 98 to 100 per cent. prime white crystals are now firm at £9 and upwards per ton, in casks.

BARYTES is steady with the usual business passing: about £3 5s. to £5 15s. per ton, c.i.f., according to quantity and quality.

BLEACHING POWDER.—Dealers are offering 35 to 37 per cent. available chloride in casks, spot at £9 5s. to £9 10s. per ton, with little doing. British makers' price is at £9 10s. per ton, f.o.r. for home trade.

COPPER SULPHATE is in moderate demand, but competition for export business continues keen, and makers' terms are, therefore, divergent, ranging from about £25 down to £24 5s. per ton f.o.b. for casks, less 5 per cent.

CREAM OF TARTAR remains rather dull. Dealers' prices for Continental to arrive vary from 76s. to 78s. 6d. per cwt., less 2½ per cent., according to quantity.

EPSOM SALT of commercial quality is moving quite well, with the spot price from £5 per ton, in bags: cheaper for quantities to arrive from the Continent.

FORMALDEHYDE continues to attract good business, while the American and Continental shippers are holding firm at high rates. The spot prices are firm at about £40 15s. to £41 10s. per ton, for 40 per cent. by volume, ex wharf.

GLAUBER'S SALT has improved, and prices are now steady at about £3 12s. 6d. per ton, for commercial quality in bags.

LEAD PRODUCTS.—Dealers' prices firmer, with more business about: red lead, £44 10s.; white lead, dry, £43 10s.; ground in oil, £45 10s. per ton, c.i.f. London. Lead acetate, brown, £42 15s.; white, £44 15s. per ton, spot.

LITHOPONE continues to move fairly well, with the price for 30 per cent. Continental red seal steady at £20 to £20 10s. per ton, spot.

OXALIC ACID has met with rather better business, and prices are steady at 3⅝d. to 3¾d. per lb. on the spot.

POTASH CAUSTIC stands at the Convention rate of £29 per ton, for 88 to 92 per cent. solid in drums, spot: the usual small business has been done.

POTASSIUM CARBONATE is steady with fair business on the market. Spot, 90/92 per cent., £24 5s.; 96/98 per cent., £25 15s. per ton, in casks.

POTASSIUM CHLORATE is firm, with supplies limited for forward delivery: quoted from 3¾d. to 4d. per lb., the cheaper price for large quantities.

POTASSIUM PERMANGANATE has been moving well, with commercial quality on spot and forward at about 5¾d. to 6d. per lb., in drums.

POTASSIUM PRUSSIATE continues active, and prices are firm as quoted at 7⅜d. to 7½d. per lb., spot and forward, for yellow.

POTASSIUM BICHROMATE from British makers is unchanged at about 4½d. per lb.

SAL AMMONIAC has been moderately active, and prices are steady on spot: dog-tooth crystals, £32 to £32 10s.; medium, about £30; fine white crystals, £21 10s. per ton, in casks, ex wharf. Shipment prices, for quantities, cheaper.

SALTCAKE from British makers for home trade is steady at £3 15s. per ton, in bulk, delivered.

SODA CRYSTALS (carbonate) for home consumers from British makers is unchanged at £5 to £5 5s. per ton, in bags, ex rail depôt.

SODIUM ACETATE remains dull, with Manchester prices down to about £17 15s., and London at £18 per ton.

SODIUM BICARBONATE from British makers, for home trade only, is steady at £10 10s. per ton, in bags, carriage paid.

SODIUM BICHROMATE from British makers, for home trade, is unchanged at 3½d. per lb., carriage paid. Dealers are offering at competitive prices.

SODIUM HYPOSULPHITE is steady, but business has been quieter of late. Dealers quote: photographic pea crystals, £13 10s. per ton, in one-cwt. kegs; commercial lump, in casks, £9 per ton, ex wharf. British makers' prices, £14 to £15 per ton, according to quantity, delivered to buyer's station.

SODIUM NITRATE is very flat in London: 96 per cent., £12 7s. 6d.; refined, £12 15s. per ton, f.o.r. docks, London. Liverpool prices, 2s. 6d. per ton less.

SODIUM NITRITE is also unusually dull. 100 per cent. basis, about £22 7s. 6d. docks, London.

SODIUM SULPHIDE from dealers is a shade cheaper, with business slow: 60/62 per cent. solid, £11 10s.; broken, £12 10s. per ton, in drums.

SULPHUR is firmer, both American crude and Italian refined being quoted higher. The former stands at £5 10s. delivered Manchester: quotations for refined are £10 15s. to £11 for Sicilian flowers, and £9 per ton for roll, delivered London warehouse. The position is evidently well under control between American and Italian producers.

ZINC OXIDES.—British makers' prices have advanced, and further movements are expected on account of high prices of metal. B.P., £50; white seal, £45; green seal, £43 per ton, delivered.

COAL TAR PRODUCTS, ETC.—Carbolic acid crystals remain dull at a low price. Pitch is slightly better; other items are unchanged, but business is quiet. ANILINE OIL is steady with occasional enquiry. Dealers quote at about 7d. per lb., in loaned drums, carriage paid. ANILINE SALT remains quiet, with British makers quoting about 7d. per lb., naked at works. BETANAPHTHOL has been quieter, but prices are maintained at about 11½d. per lb., carriage paid. TOLUOL continues to attract attention, with pure quoted at 1s. 10d. to 2s.; and 90's at about 1s. 8d. per gallon. XYLOL is neglected, and prices nominal: pure, 2s. 2d.; commercial, 1s. 9d. to 1s. 10d. per gallon. CARBOLIC ACID crystals are still very quiet, with the quotation at about 4¼d. per lb., f.o.b. in large quantities. CREOSOTE OIL is meeting with small demand, with prices steady. Ex works, 5¾d., and f.o.b. at 6½d. per gallon, in bulk quantities. CRESYLIC ACID is quiet, with 97/99 per cent. quoted down to 1s. 5d. per gallon. NAPHTHALENE.—Dealers find business for imported very slow: balls or flakes, £13; crystals and powder, £10 10s. per ton, ex wharf, in cases. Pure METHYL ALCOHOL shows no change, with small lots ex wharf in drums at £47 per ton: cheaper for large quantities. PYRIDINE is still weak and dull, with the quotation in the region of 19s. per gallon. PITCH.—A rather better tone is recorded here with more enquiry, and the price steadier at about 42s. per ton, f.o.b. East Coast.

Fixed Oils, etc.

WITH the exceptions of turpentine and raw naked linseed oil, items in this market remain very flat, and a number of them are again easier. Cotton oils have slumped badly; palm oils are a little steadier but still quiet. ACID OILS are still dull, and prices quoted are unsteady: coconut-palm kernel, 39s.; groundnut, 37s.; soya, 33s., spot. CASTOR is dull and again cheaper: pharmaceutical, 54s.; first pressings, 49s.; second pressings, 46s. spot, in barrels in not less than one-ton lots; Madras, for shipment, 45s. 6d. c.i.f. COCONUT is dull and prices unsteady: deodorised, 52s. spot. Ceylon, 45s. 9d. c.i.f.; Cochin, 64s. c.i.f. COTTON.—Further considerable falls in value are reported, with the market flat: deodorised, 50s. 6d.; common edible, nominal; soap-making, 44s.; crude, 37s. spot. GROUNDNUT is again cheaper and still dull: deodorised, spot, 54s. 6d.; crude Oriental, 46s. 6d. c.i.f. PALM KERNEL is very quiet and easier: deodorised, 47s. 6d.; crude, 42s. spot. PALM is rather steadier this week, but there is not much business about: Lagos, 38s. 9d.; softs, 37s. 9d.; mediums, 37s. 9d.; hards, 38s.; bleached, 40s. 9d. spot. RAPE is dull, but prices are unchanged: refined, 53s.; crude, 50s. spot. SOYA is quiet and somewhat easier and unsteady: deodorised, 49s.; crude, 42s. 3d. spot. LINSEED (raw, naked) is rather firmer at higher rates: on spot, 38s. 6d.; November, 37s. 4½d.; November-December, 37s. 4½d.; May-August, 37s. 3d.; boiled oil, spot, 39s. 6d. Hull: spot, 38s.; November - December, 37s. 10½d.; January - April, 37s. 10½d. TURPENTINE has taken a distinct turn for the better on improved demand, and owing to firmer American cable advices. The supplies marketed on the other side have been decidedly lighter. Deliveries in London last week were, on the other hand, much smaller pending issue of November tenders. The total was only 1,075 barrels, making an aggregate for the year to date of 76,868 barrels, against 83,025 barrels a year previous. The stocks were returned at 52,040 barrels, this making the visible supply (including the quantities in the course of landing and afloats) 59,090 barrels compared with 53,875 barrels and 36,280 barrels respectively at the same period in the two previous years. Market on spot closes at 77s. 3d., December 77s. 9d., and January-April 79s. 6d. per cwt. WOOD.—Hankow, on spot, is dull and cheaper at 63s. per cwt.

LUBRICATING, MINERAL, AND BURNING OILS, ETC.—Steady markets with business slow is recorded throughout this section. Lubricating oils show no change. BENZOL.—Market continues firm with supplies limited: crude 65's, 1s. 3d.; standard motor, 1s. 8d.; pure, 1s. 11d. per gallon, ex works, in tank wagons. FUEL OIL is steadier but still quiet: 950 gravity, £3 17s. 6d.; 890 gravity, £4 7s. 6d. per ton, ex tank. PARAFFIN WAX and SCALE.—Wax is very steady and in fair demand at 3½d. to 5d. per lb., according to melting point, in bags. Scale is dearer and firm at 28s. 9d. to 29s. per cwt., c.i.f. U.K. port. PARAFFIN OILS are unchanged: American standard white, 1s.; water white, 1s. 1d. per gallon, barrels free. Russian prime white kerosene, 6d. to 6½d. ex tank; 6¾d. buyers' barrels filled free, and 10½d. per gallon, barrels free, ex wharf, London. WHITE OILS are unchanged and market quiet. Special No. 1, £28; No. 1, £26 10s.; No. 2, £24 7s. 6d.; No. 3 half-white, £23; No. 4 half-white, about £15 per ton, drums and barrels free, ex wharf, London. SOLVENT NAPHTHAS.—Markets are quieter but hold steady: 90 to 160, 1s. 4½d.; heavy, 90 to 190, 1s. per gallon. PETROLEUM JELLIES are slow and unsteady: white to snow white, £55 to £59; amber and yellow, £19 10s. to £23; red vet, £19 12s. 6d.; dark stiff green, £15 per ton, ex wharf, barrels free. LUBRICATING OILS.—Both the shipment and spot markets continue steady, with business quiet: spot, pales, £11 to £23 7s. 6d; rods, £13 5s. to £23 7s. 6d.; dark cylinders, £13 10s. to £34; filtered cylinders, £21 to £34, less 2½ per cent., ex wharf, London. SOLUBLE OILS and CUTTING COMPOUNDS, £20 to £29 per ton, according to grade. No. 1 RUSSIAN OIL is steady at £17 15s. per ton, less 2½ per cent., ex wharf, London.

German Opium Imports

ACCORDING to the official statistics, Germany imported during the first nine months of the present year 93,700 kilos, valued at 6,103,000 marks, of opium, compared with 52,100 kilos during the same period of last year. Exports amounted to 1,500 kilos, valued at 146,000 marks. The following countries figure as the sources of supply of Germany's opium imports:—France, 8,600; Jugo-Slavia, 3,300; Switzerland, 9,800; and Turkey, 52,700 kilos.

Trade Forecast

THE Federation of British Industries in the quarterly economic supplement of its publication, "British Industry," states that there are fairly definite signs that the lull in world trade which prevailed throughout the last quarter is coming to an end and that a new period of expanding trade is about to begin. This movement, which is primarily seasonal in character, received considerable encouragement from the change over to a policy of cheap money and plentiful credit which occurred in August, followed by a subsequent further reduction of the Bank Rate on October 1. If some official assurance could be obtained that the present monetary policy is to be persisted in, this movement might easily reach substantial dimensions, especially if the inflationary tendencies already at work in America remain unchecked. Unfortunately, the recent weakness in our exchange, coupled with the heavy outflow of gold, amounting to nearly £7,000,000 during the first three weeks of this month, introduces the possibility of a reversion to a higher Bank Rate during the next few weeks; but such a change would imply miscalculation. Much will also depend on the policy pursued by the New York Federal Reserve Board.

Java Cinchona Plantations

THE now published report of the Kinacultuur Maatschappij "Boemi-Kasso" for 1924 shows that 125,748 kilos of dry cinchona bark were collected, with an average content of 4.6 per cent. of quinine sulphate (1923, 4.15 per cent.). An amount of bark corresponding to 5,393 kilos of quinine sulphate was sold to the quinine manufacturers, under the terms of the kina contract, for fl.73,160, or fl.13.56 per kilo quinine sulphate. The costs of production amounted to fl.47,958, or fl.8.89 per kilo quinine sulphate, leaving a profit of fl.25,201 on the 1924 production. A dividend of 10 per cent. is being paid out. The Kina Cultuur Maatschappij, which is no longer a partner to the kina contract, reports that 745,683 kilos of cinchona were collected, yielding 244,791 kilos of dry bark. The profits amounted to fl.224,618, out of which a 60 per cent. dividend is being distributed. It is proposed to increase production so as to attain a yield of bark equivalent to 15,000 kilos of quinine sulphate. The Kinakultuur Maatschappij "Tjilongkrang" reports that last year's collection amounted to 355,762 kilos of dry bark, against 297,599 kilos in 1923, with a total content of 20,752 kilos of quinine sulphate, the average being 5.72 per cent. (1923=5.78 per cent.). The whole was sold to the quinine manufacturers under the terms of the kina contract for fl.189,033, or fl.9.11 per kilo quinine sulphate. The costs of production amounted to fl.101,073, or fl.4.87 per kilo quinine sulphate, leaving a profit of fl.88,010. Of the 6,514 kilos of quinine sulphate left in stock from the preceding year, 6,465 kilos were disposed of. The total profits figure with fl.219,061, permitting the distribution of a dividend of 20 per cent.

Correspondence

Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

British versus Foreign Goods

SIR,—The chemist will be delighted to push and the public to buy when some of our large firms give the reason why they should do so. I consider the advertising of our British firms is not "scientific" enough, and the profit not sufficiently up to date. Why should I push or even show a foretime popular British tooth-paste (3½d. profit) when 6d. is what an American brand offers on a large tube?—Yours truly,

J. A. H. C. R. (2/11).

SIR,—It would be interesting to know how your correspondent, Mr. A. Mills, suggests applying the Safeguarding of Industries Act in the case of foreign perfumery and toilet preparations. These generally are already higher priced, and certainly not lower, than kindred products of British manufacture. French perfumery, like Paris fashions, is unrivalled in repute, and will always fetch its price; and the "well-to-do" section of the British public, unfortunately, too often possessed of more cash than discretion, only too frequently insists on the higher-priced foreign product, regardless of cost. Everyday experience but shows that the operation of the Safeguarding of Industries Act would fail in its purpose when applied to luxury trades. During the general election campaign of two years ago I had occasion to attend to the personal wants of a local Protectionist candidate, and to point out to him the origin of two equally priced British and U.S. shaving sticks. The prospective member so far forgot his principles as to give preference to the "foreigner." It amounts to this, then: certain foreign proprietaries thrive by the power of advertisement, and because of their real or fancied superiority. Competing British goods are sold at identical—indeed, in many cases, lower—prices, so that the claim for inclusion under the Safeguarding of Industries Act on the plea of "unfair competition" could hardly be upheld. In this respect private enterprise has small room for complaint.

Yours truly,

R. H. L. (2/11).

SIR,—The sentiments of Mr. Thomas Marns, expressed in the issue of your paper for October 31, on buying British goods, do him infinite credit; but may I remind him that "actions speak louder than words"? Several times recently I have seen prominent advertisements, in the daily Press, of pharmaceutical specialities manufactured by the United Drug Co., Nottingham, which concern I have always understood is American owned; the said advertisements incorporate in large type the name of Mr. Thomas Marns, of Ealing, together with another of our political leaders. When our pharmaceutical councillors traffick with the multiple shop combines, what are we humble rank-and-file pharmacists to think?—Faithfully yours,

HARRY KEMP.

Friern Lane, N.11.

SIR,—I am in entire agreement with your correspondents regarding the advisability of impressing on the public to buy British goods; but, as Mr. Cleave says, what is the use when every retail shop is stocked up with foreign-made articles? If a man has a large supply of any line, he wants to turn it into money. Chemists should endeavour to get rid of the foreign proprietaries, and only buy them from hand to mouth through the ordinary wholesale houses, and decide not to accept bonuses in the future, but rather induce British manufacturers to grant the same terms, and then give window and counter displays, taking care to place the foreign goods in the background. I do not believe in substitution in any shape or form. If an American shaving stick is asked for, supply it by all means; but if only a shaving stick is required, bring forward one made in this country. We want to keep on stressing this matter on pharmacists in season and out of season. There is here a fine opportunity for propaganda work, and it ought to be taken up by every association in every town in the kingdom. We should rub it in at our meetings, and circularise those who do not attend such meetings. On this question the retailers require gingering up; and if carried to a successful issue, it would not only benefit our craft, but help the people generally by keeping the money in this country, and be the means of providing work to many who are at present unemployed. I do trust that others will keep the ball rolling.

Yours faithfully,

A. R. KEITH.

London.

An Ambiguous Agreement

SIR,—Retailers are asked to sign a P.A.T.A. agreement which seems to be capable of varied readings, so that not merely the proverbial coach-and-four but a whole convoy might be taken through and round about in it. In the last paragraph we are required "not to purchase or barter P.A.T.A. goods at prices below manufacturers' prices." Is this guileless, or is there a hand within the glove? Is it intended to apply merely to exchanges of surplus stock, or may I take less than face value if I barter the things for, say, groceries? Or is it that the wholesalers who, with the co-operation of the manufacturers, could stop all cutting if they wanted to, are being allowed to use to strengthen their own hand further the position which they themselves have made possible by their eagerness to sell instead of turning down or delaying any order not known to be from a *bona-fide* trading source? The prices laid down in the "Year-Book" are presumably considered reasonable before they are issued by the P.A.T.A. Most retailers, however inadequate they know their own share of the profits to be, having regard to the cost of production, nature of the article, its use and selling price, lend their support to expressed P.A.T.A. principles out of loyalty to the cause. Yet one of the wholesale houses recently charged me a price in excess of that laid down, and on looking further I found strong evidence that the surcharge still exists. Some of us remember the shock it was to us to find that such a thing as the surcharge could be, and the astonishment that our representatives, the retail section, were so quickly silenced. It was astounding to find that one party to a friendly co-operation such as the P.A.T.A. ought to be could so break away. Such things disturb our confidence, and the uncertain wording of this agreement makes one wonder whether it was drawn up by the retail section or by some skilful person having other interests. It looks mightily like a subtle attempt to bring all supplies within the control of the wholesalers. Once that is brought about, we shall be worse off at their mercy than the folly (or lack of principles) of the few would make us if we had no P.A.T.A. Beecham's cost 10s. 6d. a doz. before put on P.A.T.A., and many people sold them at face value; now they cost 11s. 9d., and, I understand, are being frequently offered by the representatives of wholesale houses. Where does the difference of 1s. 3d. a dozen go?—Yours, etc.,

AN APOSTATE (21/10).

Proposed Registration of Proprietaries

SIR,—I am pleased to see that "Xrayser III" (*C. & D.*, October 31, 1925, p. 621) approves of my view with regard to the proposed registration of proprietary medicines. The difficulty with all legislation of this kind is that the appointed representatives of pharmacists do not themselves, as a rule, have to worry about carrying out the regulations; and once the principle has been accepted, it is only when the working pharmacist gets down to details that he realises the work and expense which is involved, fresh difficulties cropping up with each article that comes under consideration. Take, for instance, the Labelling of Poisons Order. All the medicines coming under this will require

a fresh supply of labels, or at any rate supplementary slips to give the details required; in the smallest business at least a dozen such labels will be required, involving an outlay of £2 or £3, and for this expense the pharmacist receives not one halfpenny back in returns, while according to a forecast in a recent discussion at Manchester (*C. & D.*, October 24, p. 577), he is liable to the severe penalties of the Dangerous Drugs Acts if he makes an error in his labels. I am afraid that I have digressed from my original subject, but, tackling these problems daily, I do feel that a lot of these impositions would have been avoided if pharmacists had combined to meet them and expressed their views in no uncertain manner before the regulations were passed. Like many other small proprietors, I run a series of own-name remedies, which are an honest attempt to relieve the ailments stated on the label, and which contain more real value for money than many largely advertised preparations I could mention. What would be the fate of these business-bringers of mine under a Proprietary Medicine Act? I cannot say, and nobody can tell me. Every retail pharmacist is in the same predicament, and that is why we should take thought and, if necessary, action now, and not when it will be too late.—Faithfully yours,

PROPRIETARY (31/10).

Labelling of Poisons Order

SIR,—In your issue of October 24 Mr. R. A. Cripps, public analyst for Bournemouth, makes the excellent suggestion that chemists, as a body, should approach the Government demanding a revision of the new Poisons Regulations before it is too late. Here, surely, is a chance for the Retail Pharmacists' Union to justify its existence, and to prove that it is not hidebound by the traditions of the Pharmaceutical Society, which is obviously useless and inert (or these Regulations would never have been passed). I quote from an article on prohibition in America, which says: "If law is not respected, law becomes farcical, and all the terrors of legal penalties will not make it less farcical; and when a great section of the population thinks a law absurd the whole value of the law is undermined." Who could respect such an absurdity as the new Poison Labelling Regulations?—Yours faithfully,

SYR. PRUNI VIRG. (POISON) (27/10).

"The Educational Uplifters"

SIR,—It is pleasing to note, from the "Observations and Reflections" already contributed by "Xrayser III," that they are written with a similar level sense of proportion in everyday matters to that which characterised the notes of the late Mr. Bell. It is a great pity that some of this breadth of outlook cannot be infused into the deliberations of the Pharmaceutical Society's Council. It is, no doubt, a good thing in one way to legislate for the future; but the pharmacist who works an average of twelve hours daily, and frequently on seven days of the week, has to live and struggle in the present, and he may well be excused for asking, "Where do I come in?" The question of raising the Preliminary examination to matriculation standard has soon cropped up, although it may have only been a personal opinion; but if the examinations were to be tightened up with each succeeding batch of entrants, we should soon reach a position of stalemate. The continued influx of candidates for the pharmacist's qualification is a mystery; what can be the inducements which persuade these young people to start on such a difficult road, with so few prizes in store, even to the most intelligent and hardy? I do not know whether any statistics have ever been kept, but it would be very interesting to see figures showing the ultimate fate of those entered as students or apprentices.—Faithfully yours,

MYSTICUS (20/10).

Continental Situations

SIR,—With reference to the article, "Pharmaceutical Assistants on the Riviera" (*C. & D.*, October 17, p. 542), I doubt whether the assistant who was going out for the first time would be offered the salaries quoted. My own experience in pre-war days has shown me that these berths cannot be considered remunerative from a monetary point of view. One big firm in Italy offered me £2 weekly and fare one way as qualified senior for a six months' engagement; this really meant about 35s. a week net. On the other hand, it must be remembered that wages on the Continent are low, judged by our ideas in this country. With regard to meals, I used to provide my own breakfast, making my tea or coffee over the gas-ring on the dispensing counter; and I bargained with a local hotel for lunch and dinner at so much a month. This, of course, meant going to the same place each day; but it is very exceptional to meet with a poor service. My advice to every young pharmacist is to have at least one season abroad; true, it is not a money-making game, but it will provide the observant with a wide field of experience and a rich store of recollections, besides opening his eyes to the fact that we are not the only people in the world.

Yours truly,

VIATOR (19/10).

Giving Credit to Customers

SIR,—The protest of Mr. G. J. B. Woolley at the Leicester Police Court (*C. & D.*, October 17, p. 554) against the ease with which credit can be obtained at many shops is well timed. It is, perhaps, difficult for a trader to have the courage to refuse credit to a purchaser, especially a pharmacist whose business is small and cut up by other shops. He fears he may upset the customer and lose a good account; or the customer has at first paid cash, and then asked to have something put down and so gradually acquired a continually lengthening account. One of my first assistantships was at a pharmacy in a good-class health resort, where a customer was never asked to pay over the counter; the orders were taken and the goods sent, and yet I do not recollect a bad debt. In contrast, my next berth was in a military centre, where the customers took credit as a matter of course—living, in fact, on the next month's salary—and all the accounts had to be got out promptly on the last day of the month if payment was to be expected. If, however, a customer was moved to anotner station, he simply went, and left the bills for the pharmacist to worry over. If a man orders goods to be sent and put to account without any intention of paying, he often gets off scot free, as it may be too troublesome to sue him.

Yours, etc.,

CREDITOR (20/10).

"Pins and Needles"

SIR,—Most of us have at times had to deal as counter prescribers with cases in which something not intended for the human stomach has been swallowed. Pins, needles, and small toys have come within by ken, supposedly swallowed without volition. It is possible in some instances that the case (and inevitable alarm) is imaginary. A child is seen with something in its mouth which disappears, the conclusion being that the article has been swallowed—the said article being discovered later on the floor. Some cases are, however, decidedly real and distressing. One I remember in which the small offender and patient was a nephew of my own. He had picked up somewhere a piece of dog chain, about ten inches long, with an average diameter of ¼ inch. The youngster had taken this to bed with him, and in the morning was lying on his back in his cot playing with it. One end in his mouth got too far over the tongue, the result probably being that the child would find it easier to swallow than withdraw. Called on to prescribe, I suggested a dose of castor oil. It was a great relief to hear, three or four days later, that the chain had been safely got rid of. In those days there were no *x*-rays, by means of which the course of this obnoxious article could have been traced. One may readily imagine that a chain, easily flexible, would pass safely where something smaller in general bulk and weight, but rigid, would be dangerous.—Yours, etc.,

VETERAN (26/10).

Dispensing Difficulties and Notes

An Incompatible M xture

SIR,—Please tell me the best method of dispensing the following mixture, and explain the chemical action taking place :—

Potass. iodid.	...	...	ʒj.
Tr. ferri perchlor.	...	...	ʒiij.
Tr. nucis vom.	...	...	ʒj.
Tr. digitalis	...	...	ʒij.
Potass. brom.	...	...	ʒiij.
Aq. ...	...	ad	ʒviij.

Yours faithfully,
G. G. (20/10).

[There is no best method to compound this mixture, liberation of iodine occurring in any case. The only chemical action of interest is liberation of iodine from the potassium iodide by the free acid in the tincture of iron perchloride. It is a case for approaching the prescriber and suggesting the substitution of syrup of iodide of iron for the tincture of iron perchloride. He had probably forgotten for the moment the iodine aspect of the combination. To neutralise the acid would lead to precipitation of iron hydroxide, and presumably the prescriber desires neither that nor free iodine in the mixture.]

A Calomel Mixture

SIR,—Can you tell me if I was correct in returning the enclosed prescription to the doctor as impossible to dispense?

Hydrarg. subchlor.	...	...	gr. xxxvj.
Mucil. acaciæ	...	...	ʒss.
Liq. arsenicalis	...	...	ʒjss.
Ferri et ammon. cit.	...	...	ʒj.
Aq. ...	...	ad	ʒvj.

Sig. ʒss. every morning, p.p.a.

Yours truly,
R. M. (19/10).

[There is no objection that we can ascertain to the compounding of the prescription. It is easily prepared, and produces quite a workable and presentable mixture. Dissolve the iron and ammonium citrate in part of the water, add the arsenical solution and the mucilage, and make up with water to five and a half fluid ounces; then rub the calomel down with the remaining half fluid ounce of water and pour into the bottle, shaking well after its introduction. The calomel falls to the bottom after standing for a little, but it can be shaken up again and diffused satisfactorily when the mixture is required for use. The prescriber evidently anticipated a deposit when he wrote "p.p.a."]

Interpretation of Prescriptions

SIR,—May I ask you to be so good as to inform me what you consider the proper way to dispense the following three prescriptions :—

(1) Paraldehyde ʒiss. nocte (2)

(2) Veramon (12)

(3) Cocain. hydrochlor. ... ... gr. iv.
Menthol ... ... gr. iv.
Vaseline ... ... ʒij.

Sig.: For inter-nasal use.

Yours truly,
J. H. (15/10).

[(1) When a prescription such as this is received in ordinary practice it is customary to dispense it as written, labelling it with the indicated direction : "To be taken at night." And when, as in this case, two units are ordered, send two vials with direction on each.

(2) It is not necessary to commit yourself to the responsibility of adding directions. Label : "The Tablets," or "The Veramon Tablets."

(3) When cocaine hydrochloride is prescribed in an ointment it is well to employ about an equal weight of water to dissolve it before mixing with the basis. It is more soluble in water than in rectified spirit. The salt of cocaine is preferable in this case to the alkaloid itself, which would not dissolve either in water or vaseline.]

Appearance of Mixture

SIR,—I should be glad to have your opinion as to the proper way of dispensing the following mixture and what appearance it should have when finished. Should warm water be used in compounding it, and would this interfere with its medicinal action?—Yours faithfully,
ALPHA (14/10).

Sodii acid. phosph.	...	...	ʒj.
Ammon. benz.	...	...	ʒiv.
Syr. limonis	...	...	ʒj.
Aq. ...	...	ad	ʒxx.

ʒj. once or twice daily.

[The appearance of the mixture will depend upon the procedure adopted in compounding it. In any case there is a copious but light precipitate of benzoic acid owing to ammonium benzoate being split up by the free acid in syrup of lemon. Warm water should not be used. Dissolve each salt in nine fluid ounces of water and mix the two solutions; then dilute the syrup of lemon with one fluid ounce of water and pour into the solution of the two salts shaking promptly and with vigour. The precipitate obtained by this procedure is light and in such very fine particles that a shake diffuses it uniformly and it remains in suspense long enough to permit a dose to be poured out without inequality in distribution of the precipitate. If desired, however, three fluid ounces of mucilage of tragacanth may be added to the phosphate solution before the two are mixed. If the mixed solutions of benzoate and phosphate be allowed to stand overnight a few tufts of benzoic appear, liberated by the acidity of the phosphate.]

Compounding Suppositories

SIR,—I have been reading the "Art of Dispensing" on suppository making, and can find nothing definite on quantities which could be used. Perhaps an example would make it clear :—

Copper sulphate ... ... gr. ij.
Ft. suppos.
Acid tannic ... ... gr. ij.
Ft. suppos.

It is evident that the amount of ol. theobroma would vary from that of heavy substances, but I cannot find anything relating to it.—Yours faithfully,
L. T. (12/10.)

[The British Pharmacopœia states that suppositories should weigh *about* fifteen grains. Moulds are consequently made to meet this requirement. They may vary, as one might expect, to the extent of a grain or so. A compounder knows the exact weight of theobroma oil which his mould contains, and his procedure is guided by that knowledge. When the medicament prescribed is bulky, some allowance is made for this by employing somewhat less basis. In your first example copper sulphate is heavy and may be discounted so far as making allowance for increase of volume which it would produce. Tannic acid mentioned in your second example is light, relatively, and from our experience we should say two grains are about equal in volume to one grain of theobroma oil; hence fourteen grains of the latter would be sufficient when a mould contains fifteen grains. The "Art of Dispensing" does not specifically state definite quantities, because this is not necessary. From its descriptions of procedure it is easy to infer what should be done to meet the official requirement. It follows the Pharmacopœia is leaving something to the intelligence of the compounder.]

Appreciations

We have had two previous copies of your Stocktaking Pads, and found them useful and labour saving :—

One finds the *C. & D.* more entertaining and up to date; in fact, in our line it is without doubt "it."—*J. B. H.* (9/10).

The paper is always very interesting, especially to my daughter, who is a pharmacy student. The quarterly Progress of Pharmacy is exceedingly good.—*D. G. S.* (28/9).

Legal Queries

R. T. J. (28/10).—The entry you refer to is an error.

C. C., Ltd. (13/10).—The mixture containing ⅛ gr. of morphine meconate in ʒj. is 1 in 480, which is outside the Dangerous Drugs Act.

G. E. G. (24/10).—The head and nerve powders are probably not recommended for any ailment, and on that account do not require to be stamped nor is the seller required to be licensed.

A. F. (23/10).—The Dangerous Drugs Act, 1925, which makes cannabis from cannabis sativa a "dangerous" drug, comes into force by Order in Council, which has not yet been published.

S. C. C. (22/10).—Preparations containing squills are not statutory poisons. The glucosides of digitalis and strophanthus are poisons within the meaning of the Poisons and Pharmacy Act, 1908.

D. O. M. (23/10).—"Dangerous" drugs dispensed in an institution must be entered in a book (any kind of book), but the entry must give the required information as set out in your special regulations.

G. K. (31/10).—The Dangerous Drugs Act, 1925, deals with diamorphine, but not with opium alkaloids. The Act is not yet in force. The preparation you mention is outside the Dangerous Drugs Acts, but is a poison in Part 2 of the Poisons Schedule of the Poisons and Pharmacy Act, 1908.

Bruno (2/11).—The question of the use of the poison label on a mixture containing liq. hydrarg. perchlor. depends upon the circumstances of the sale. If, as would appear, the mixture is ordered in a prescription, the entry in the prescription-book obviates the necessity of labelling it poison.

J. M. W. L. (31/10).—The labelling of the preparation of fivepennyworth of medicaments, two of them being poisons, would be got over by having space on the chlorodyne or paregoric label, as the case may be, for the proportion of the poison, and writing this on the label when the article is sold.

E. L. S. (24/10).—(1) The cough-mixture label should bear the statement: "Contains tr. camph. co., B.P., 4/47 or 1/11¾; tr. chlorof. et morph., B.P. '85, 2/47 or 1/23.5 poison." (2) The ointment contains hydrarg. ammon., which is a scheduled poison. It should be labelled: "Contains hydrarg. ammon., 1/32 poison."

R. & T. (28/10).—The quinine and iron tonic should be labelled: "Contains tr. nucis vom., B.P., 1/96, poison." (2) The cough mixture should bear upon the label the declaration: "Contains tr. chlorof. et morph., B.P. '85, 1/480 poison," if the final product is ʒx., but if it is ʒxx. then 1/960. The quantity intended is not clear to us.

G. G. H. (27/10).—Carbolic acid is a poison in Part 2 of the Poisons Schedule, as are all preparations which come within the limitation set out—namely, liquid preparations containing 3 per cent. An ointment containing carbolic acid is not a liquid preparation, consequently it is outside the specification mentioned, and is not labelled with the proportion under the Labelling of Poisons Order.

S. & M. (17/10).—The stamped (human) and unstamped (veterinary) preparation must be of different composition. To indicate that the latter variety is also for use on human beings would generally incur liability to medicine-stamp duty. We think your better way would be to pack specially an athlete's liniment, the wording you suggest being suitable and not involving liability to stamp duty.

A. T. (24/10).—(1) The cough-mixture label should have upon it the following declaration:—"Contains liq. morph. hydrochl. 1/30, tr. camph. co. 1/4, poison." (2) The presence of Easton's syrup in the tonic should be declared as "Syr. ferri phosph. c. quin. et strych. B.P. Poison," or by giving the proportion of strychnine. What this is we cannot say, as you do not state the dose of the tonic.

C. T. C. (22/10).—Assuming that the declaration of the composition of the cough cure is *bonâ-fide*, that the declaration is made "in the label" as required by the Board of Customs and Excise, and that it is prepared by a qualified chemist, it would then satisfy the requirements as a "known, admitted and approved" remedy. As cherry laurel contains hydrocyanic acid the proportion in the preparation which is used in the cough cure will require to be stated.

E. B. (19/10).—You are entitled to sell poisons in the ordinary course of wholesale dealing, but the law has never interpreted what this is. Such things as syr. glycerophos. co. are outside the signed order method, but hyd. perchlor. comes within. The signed order method refers only to medical men, dentists and veterinary surgeons. The only satisfactory answer that we can give is to apply the method of wholesale chemists, who now ask for a signed order for Part I poisons, and usually satisfy themselves that it is a *bonâ-fide* transaction, the article to be used in the ordinary course of the business of the firm or person who orders.

Pact (28/10) applied for an engagement as manager of a branch shop nearly a year ago, and received in reply a letter in which particulars of the vacant post were given. In that letter the prospective employer stated the salary offered and added: "House free, attached. Electric light and gas." He also stated that he "would arrange" for "Pact" to have one evening each week and alternate Sundays off duty. It was added that an agreement would be drawn up. "Pact" accepted the post, and the agreement was prepared and signed; but it does not mention the time allowed off duty or who is to pay for gas and electricity. So far, the cost of the latter has fallen upon "Pact"; nor has any arrangement yet been made to release him one evening weekly and on alternate Sundays. Does this justify "Pact" in treating the agreement as invalid? Alternately, if his request for these concessions is refused, what redress has he? ["Pact" should have seen that these concessions were embodied in the agreement. We question whether he can now claim that the somewhat indefinite statements made in the letter form part of the terms of the engagement. In any case, it could be argued that the reference to electric light and gas was merely to show that those facilities were available, and did not imply that they were available free of charge. If his employer refuses to allow him a reasonable amount of time off duty, "Pact" should, we suggest, consult a solicitor, who can advise him how best, in the circumstances, to act.]

H. P. J. (26/10).—(1) The following are the declarations required:—*Infants' Preservative*: "Contains tr. opii aquos. 1 per cent., 1/30 poison." *Cough Syrup*: "Contains tr. chlorof. et morph., B.P., '85, 1/4, antim. tart. 1/2840 poison." Query: Is it 15m. in ʒj., and is that the dose? There is no necessity to mention ext. ipec. liq. We are presuming that the dose of the syrup is one drachm. *Diarrhœa Mixture*: "Contains tr. opii aquos. 1 per cent., 1/128 poison." *Influenza Mixture*: "Contains liq. morph. hyd., 1/60 poison." *Corn Cure*: "Contains ext. cannab. ind., 2 per cent. poison." *Quinine and Iron Tonic*: "Contains liq. strychn. hyd., 1/40 poison." *All Fours*: "Contains tr. opii, B.P., 1/8, tr. camph. co., B.P., 1/2 poison." *Children's Cough Mixture*: "Contains tr. camph. co., B.P., 1/7.5 poison." *Blood Purifier*: "Contains liq. arsen., B.P., 1/80 poison." *Odonticu*: "Contains ac. carbol., B.P., 1/40 poison." *Neuralgia Mixture*: "Contains tr. gelsem., B.P., 1/24 poison." *Eczema Ointment*: No declaration required, as this is not a liquid preparation of carbolic acid. *Liver Pills*: "Contain ext. nuc. vom., B.P., 1/35 gr. in each, poison." (2) It should be noted that the amount per oz., drachm, or whatever unit is chosen, is quite within the declaration. The statement must be on the label of the container. If it is on a wrapper or carton only, there is no declaration when these are destroyed. It is in order to place the statement on both. The purpose of the Order is to make a public declaration of what are poisons, but when this is done the public will not be a penny the better or worse.

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

R. T. (19/9).—BOOK-KEEPING FOR INCOME-TAX PURPOSES.—There is no departure required from the orthodox method of book-keeping for purposes of income-tax. The simple rule to remember is that in computing profits for income-tax purposes care must be taken to see that no expenditure of a capital nature is charged as expenses. Items of this nature—i.e., new shop fittings, fixtures, etc.—must be analysed to asset accounts, as shop furniture and fittings, etc. (and not confused with the normal expenditure, such as rent, rates, insurance, heating, light, salaries, etc., which are charges in getting profits). This capital expenditure will represent, if not the whole, a part of the capital of the business. It is necessary in arriving at profits to keep a Cash-book, Ledger and Purchases Day-book, the Cash-book and Day-book being analysed as desired. Sales, being probably wholly cash, will be received daily into Cash-book and posted (monthly generally) to Sales account in the Ledger. Expenses as incurred and paid are written up in the Cash-book and also posted to their respective accounts in the Ledger. If credit is given a Sales Day-book is required, from which the debtors' accounts are posted into a Ledger and the total of the Day-book periodically posted to Sales account, and as cash is received their accounts are cleared when posted from the Cash-book. The article on book-keeping in the *C. & D.* Commercial Compendium (January 3, 1925) should be studied in connection with the above. If these records are faithfully kept the total of the expenses set against the sales will give the net profit. It must be remembered that cash drawn out of the business for the proprietor or household expenses are drawings on account of the profits, and must not be charged to salaries account, but to drawings account.

L. J. S. (8/10).—For the *C. & D.* stocktaking method a detailed list of proprietaries is not required, as these articles are counted up under the different selling prices, and an average deduction taken to arrive at cost price. Working this out a year ago (*C. & D.*, December 13, 1924, p. 870), we arrived at an average deduction from the selling price of 22 per cent. If a detailed list is required it is better to take a wholesaler's list and jot down the items against the names, but the labour is onerous and unnecessary.

D. S. (8/10).—(1) A note on the method of destroying worms on lawns was printed in the *C. & D.*, October 10. (2) MEDICATED SWEET-BOILINGS.—The following are examples of cough drops made by the method of sugar boiling :—

A. Chlorodyne

Granulated sugar	14 lb.
Chlorodyne	½ oz.
Tincture of tolu	½ oz.
Cream of tartar	½ oz.
Oil of anise	1 dr.
Water	4 pints

Proceed as for acid drops, adding the chlorodyne, tincture, and oil to the mass on the slab.

B. Extra Strong

Granulated sugar	9 lb.
Brown sugar	5 lb.
Liquorice paste	1½ lb.
Liquid extract of poppies	2½ oz.
Tartaric acid	1½ oz.
Ipecacuanha powder	1 oz.
Tincture of tolu	1 oz.
Oil of anise	½ oz.
Cream of tartar	½ oz.
Water	4 pints

Melt the sugars in the water and bring them to a sharp boil. Add the cream of tartar, and continue to boil to the degree of crack; put in the extract of poppies and liquorice paste, and continue to boil for five minutes, then pour upon the slab and add the remainder of the flavouring ingredients. Work thoroughly and cut into tablets.

S. O. (3/10) asks what is the matter with fowls which have a white coating on the tongue and mouth; the eyes swell and many of the birds die. [The birds are suffering from diphtheric croup. As the malady is difficult to cure, it is advisable to destroy the fowls affected, but for valuable ones the following treatment may be tried :—Clean the mouth and nostrils with tepid water, and apply, by means of a feather, a 1 in 30 carbolic lotion thrice daily; a teaspoonful of castor oil should be administered on alternate days, unless the bowels get too lax; and nourishing food should be given. The birds should be kept warm. Healthy specimens should be removed to clean ground, and where there is any possibility of the soil being infected by the germ of the disease, a good coating of lime should be applied every month for six months. All fowl-houses and appliances should be washed and disinfected before being used for fresh birds. Six months should elapse before introducing any animal into the house or run, the soil of which should have been turned up after each liming and a further quantity of lime applied.]

W. F. (12/10).—THE SALARY OF AN UNQUALIFIED ASSISTANT, twenty-five years of age, with localised experience, is 50s. to 60s. weekly. On becoming qualified, making thereby two qualified assistants in your shop, his commercial value to you is not materially advanced, and would represent probably 10s. weekly under the special circumstances.

F. W. G. (16/10).—RED FIRE.—The following is a formula for red fire, but you should note that in Great Britain it is illegal to make this except on registered premises, and a chemist's premises will not be registered for the purpose :—

Potassium chlorate	8 parts
Strontium nitrate	48 parts
Washed flowers of sulphur	9 parts
Charcoal	2 parts

Goodwill (17/10).—GOODWILL is calculated on net profits. The method was fully explained in the *C. & D.* Commercial Compendium, February 14, p. 251, under "Business analysis." Briefly, it is the present-day value of the net profits computed on one, two, three or more years, as the case may be, *plus* any particular advantage which can be brought forward.

W. R. (18/10).—LACQUERS.—The lacquers to which you refer, which are applied to metals with heat, are shellac (28 lb. to 20 gall. of spirit), sometimes with a small proportion of sandarac or resin. The gold and silver effects are obtained by adding bronze powder or aluminium powder to the lacquer. Bronze powder is a powdered metallic alloy, and is obtainable in a variety of shades.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," November 15, 1875

The Model Laboratory

A good share of influential outside support has been given to the suggestion made by Mr. Schacht to establish a model pharmaceutical laboratory at Bloomsbury Square. The President of the Pharmaceutical Conference advocated the idea warmly, and since its rejection letters have appeared from Messrs. Charles Symes, Alfred E. Tanner, Barnard Proctor, A. W. Gerrard, and Thomas Haffenden, all deploring the decision arrived at by the Council. The scheme has a taking look about it on paper, but we can hardly be surprised at the reluctance of the Council to carry it into execution. What was first suggested by Mr. Schacht and supported by Mr. Groves was generally understood to be a pharmaceutical laboratory in full working order, adapted expressly for teaching students, and open for examination to members of the Society. If such a laboratory were established in a style commensurate with the position of the Society, it must necessarily be somewhat complete and extensive. And inasmuch as a laboratory of that kind is not self-acting, the services of one or more competent managers would be required. The Society is not rich enough to carry on such a costly luxury, and to turn the concern into a commercial speculation was out of the question, so that, however good it may be, the laboratory pictured by Mr. Groves and imagined by Mr. Symes and Mr. Gerrard, is no more accessible to pharmaceutists than is the moon to their babies.

THE CHEMIST AND DRUGGIST

COMMERCIAL COMPENDIUM

deals with the trade side of pharmacy

[Commenced *C. & D.*, July 5, 1924]

Dairy, Chemical Requirements.—The colour of butter is heightened by adding annatto essence to the milk in the churn. Butter powder used for shortening the time of churning is sodium bicarbonate. The preservative used for butter and cream is boric acid, but this practice will be illegal when the regulations dealing with the use of preservatives, issued by the Ministry of Health, come into force. Tests for the acidity of milk and other chemical tests required in the scientific control of cheese making involve the use of phenolphthalein solution, standard alkali solution ("Neutraliser"), for acidity, sulphuric acid for Babcock's method of fat estimation, test bottles (graduated), pipettes, acid measures, centrifugal machines, thermometers and lactometers (for taking the sp. gr.) are among the apparatus needed.

Dale's Plaster was originated by a Miss Dale, Newcastle-upon-Tyne, and consisted of red lead heated with rape seed oil, to which was added resin and yellow wax; while still warm, it was moulded into rolls. Being an oleate of lead, it comes within Part I of the Poisons Schedule (*C. & D.* Poisons Card No. 2).

Dandelion.—The root of *Taraxacum officinale*, Wigg, n.o. *Compositæ*, which is a common weed in this country, and is widely distributed throughout the northern hemisphere, existing in a large number of varieties. These are described in Swedish by Dahlstedt in Lindman "Svensk Fanerogam Flora." A few only of these varieties occur in this country, varying chiefly in the size and degree of division of the leaves, one variety having red seeds, but these have not been examined with the view of determining their relative value. One variety is in cultivation for use as a salad plant. Dandelion has in most countries a reputation for its action on the liver, as well as on the kidneys. Yet the active principles have never been accurately determined, but are supposed to reside in a bitter substance named taraxacin, which is regarded as an indefinite body. Owing to the action of an enzyme (oxidase ?) the expressed juice of the plant, which, is neutral, soon becomes acid. The extract as well as the liquor is usually made from the fresh root in October or November, but it then contains about 25 per cent. of inulin, soluble in hot water but not in cold, so that the extract, which is sometimes prescribed in mixtures, if dissolved in cold water, leaves a lot of useless sediment. The root in spring contains sugars instead of inulin, and the juice then yields proportionately a more bitter extract. It is said by Bentley to be most bitter in July. In any case, a method needs to be devised to destroy or render inactive the enzyme or oxidase present in the *fresh* root, by ascertaining the degree of heat at which it is rendered inert, or making an alcoholic preparation strong enough to render it insoluble; otherwise it is evident that a decoction or infusion of the *fresh* plant is likely to give the best therapeutical results. The dried root is generally collected in the autumn, as the root collected in spring is more porous. It is sold in two forms, the bold or larger pieces being separated for use in pharmacy and the smaller pieces sold at a lower price for the manufacture of dandelion coffee. Dried dandelion root is also imported at a cheap rate from the Continent (principally Belgium). During recent years a small form of a dandelion root has been offered by Russian firms, who state that it is sold and used as dandelion in that country. This root is always smaller than the root of *T. officinale*, has smaller flowers, and the crown of the root has often a tuft of brown woolly hairs between the leaf bases at the crown of the root, which are never seen in the dandelion plant in this country, and form a characteristic distinction, for the root shows similar concentric, horny rings in the thick white bark as well as a yellow porous woody centre. These woolly hairs are mentioned in Greenish's "Materia Medica," and also in the British Pharmaceutical Codex, as a feature of dandelion root, but no mention is made of them in Pharmacographia, nor in the B.P. or U.S.P., and it is probable, therefore, that Russian specimens have been used for describing the root, and that the root with brown woolly hairs belongs to some other species of *Taraxacum*.

Dangerous Goods.—Many articles stored by wholesale and retail chemists require special attention on account of fire risk. Ether, carbon bisulphide, naphtha, alcohol, benzene and petrol give off inflammable vapour at normal temperature, and this may travel a considerable distance and become ignited at an open fire or gas-flame. Lamp-black is liable to spontaneous ignition, and should be stored in a separate building away from the general store. When moistened, calcium carbide becomes heated and gives off acetylene, an inflammable vapour which forms explosive mixtures with air. It should be stored in closed tins of limited capacity. Strong nitric acid spilled on straw causes it to ignite, and in case of the accidental breaking of a bottle of nitric acid, care should be taken not to breathe the contaminated air. Several deaths have been recorded through breathing the nitric peroxide which results from this accident. Sodium peroxide may cause paper or straw to ignite if brought in contact with these substances. Freshly-burnt lime, wetted with water, develops sufficient heat to be a source of danger. The mixing of potassium chlorate and sulphur is dangerous, also sulphuric or nitric acid with turpentine, chromic acid or potassium permanganate with glycerin, iodine with turpentine, silver oxide with a permanganate or with creosote or phenol. Picric acid in contact with lead salts or mercury fulminate forms dangerous explosives. Celluloid articles, such as combs and soap boxes, are liable to ignite suddenly if exposed to heat. Cylinders of compressed gases should be stored in a cool place and no grease should be allowed to come in contact with compressed oxygen.

Dangerous Goods, Carriage by Rail, etc.—The conveyance of dangerous, corrosive, and poisonous chemicals by rail is the subject of stringent regulations, and a special classification occupying 241 pages of the general railway classification of goods, over 1,300 articles being enumerated. Revised regulations are made from time to time, and these are obtainable from the Railway Clearing House, Seymour Street, Euston Square, London, N.W. The latest revision took place on and from August 1, when regulations were issued, the main features of which made it obligatory that, in lieu of being branded and marked as formerly, every package containing dangerous, corrosive, and poisonous chemicals must, with certain exceptions, bear a distinctive loading label. These labels, which may be obtained from the railway companies, and of which there are five classes, have been adopted with the object of securing the safer handling and the more expeditious transit of consignments. The only exceptions allowed are in the case of chemicals forwarded in owner's tank wagons, and in that of chemicals other than certain stipulated poisons, in full truck loads to one destination for delivery to one consignee. In the latter case the railway companies' standard "Dangerous Goods" label must be affixed to each side of the truck. Dangerous goods, except otherwise provided, are only carried by railway companies at owner's risk on certain days and certain hours, and under conditions set forth in the respective consignment notes. Incorrect consignment notes or attempts to forward dangerous goods under improper declaration, or contrary to the regulation, render the consignor liable to prosecution by the company. Stringent regulations also exist at the various ports respecting the shipment of explosive, dangerous and inflammable goods, and the railway companies' agents at the ports must be consulted in every case, before the goods are accepted, as to whether and on

The C.&D. Commercial Compendium

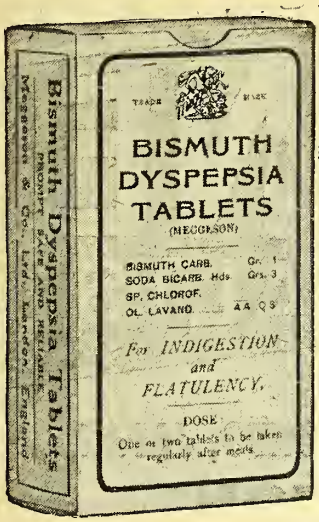
what terms and days shipment can be effected. In some cases dock companies do not allow dangerous goods on their premises. (*See also* Acids, Ammonia, Carboy, Carriage at Owner's Risk, Ether, etc.)

Dark-room Charges.—Prior to the war, chemists generally allowed regular customers to use the dark-room free of charge for changing plates; other customers were charged a nominal fee unless a packet of plates was purchased at the same time. The tendency to-day is to make no charge for this purpose and to regard the privilege accorded as an advertisement. When the customer wishes to use the room for developing or printing, a fee of 1s. an hour (with a minimum of 1s. and slightly reduced terms for a week) should be charged, it being understood that all solutions used are purchased from the proprietor.

Datura.—The leaves of *Datura Stramonium*, Linn., are chiefly used in this country in the manufacture of cigarettes for the relief of asthma, a comparatively small quantity being used in pharmacopœial preparations. The leaves of *D. Stramonium* are not official in the B.P., but only those of *D. fastuosa*, Linn. var. *alba*, *Nees*, *D. Metel*, Linn., and the seeds of the first-named species. In the U.S.P. the leaves of *D. Stramonium*, Linn., and of *D. Tatula* are official, not more than 10 per cent. of stalks and other material being permissible, and the alkaloidal percentage must be not less than 25 per cent. (It is generally stated that the principal amount of alkaloid present occurs in the petioles and veins of the leaves.) As a matter of practice the leaves of *D. Stramonium* usually contain the young slender tops of the flowering branches, so that a certain amount of stem is present. It does not pay to grow *D. Stramonium*, except those who can utilise the leaves for manufacturing galenical products, as the dried leaves are mostly imported from France, Germany, Hungary, Spain, and the Cape at a much cheaper rate than the plant can be grown in this country, but as less care is taken in drying the leaves than would be taken in this country it is difficult to obtain carefully dried leaves. Those imported from Hungary are better dried than most other European samples; those of Spain are frequently mixed with the leaves of other species of datura, such as *D. ferox*, Linn., *D. Tatula*, Linn., *D. Metel*, L., and *D. fastuosa*. These can be distinguished when the young flowering tops are present, as they usually have the young fruits attached. *D. ferox* has capsules with the upper spines longest. *D. Tatula* has purple veins and petioles. *D. Metel* has hairy leaves, and *D. fastuosa*, like *D. Metel*, have yellowish seeds, but the leaves of *D. fastuosa* have only scattered hairs. Spanish, and sometimes other European stramonium leaves, contain an admixture of the leaves of other plants, such as *Xanthium strumarium*, *X. macrocarpum*, *Chenopodium hybridum*, and *Solanum nigrum*, but the hairs of the leaves are quite distinct from the few found on the very young leaves only of *D. Stramonium*, and the absence of cluster crystals in the tissues serves to distinguish them. Stramonium leaves have an almost triangular ovate outline with a few short marginal triangular lobes or teeth, giving a sinuate appearance to the margin. When mature they are glabrous. The dried leaves show a distinct minutely wrinkled surface on the under side, due to the shrinking of the loose tissue in the lower half of the leaf and the long densely packed palissade cells on the upper surface. This is well shown in Vogl., "Anat. Atlas," Vol. XI. This feature readily distinguishes broken leaf from that of belladonna, in which the dried leaf shows minute raised points. The seeds of *D. Stramonium* and *D. Tatula* are black, rough, and reniform. Those of *D. fastuosa* and *D. metel* are yellowish and ear-shaped. For growing purposes, the seeds that ripen first at the top of the capsule germinate more easily and form better plants than the lower seeds. The leaves of *D. Metel* are imported from the West Indies and from Egypt, for the extraction of hyoscine. The flowers of *D. fastuosa*, var. *alba*, are used in China as a criminal poison, and in India the seeds are used with bhang (cannabis indica) for producing narcotic poisoning. An interesting account of the dhaturias, or professional datura poisoners, can be found in Chever's "Jurisprudence." The name datura appears to be derived from the Sanscrit name dhustura, a word which means insane; the origin of the name stramonium is doubtful. Tatula is evidently the Persian name tatoulah, used for stramonium, and in modern Greek this name is applied to stramonium.

Day.—The Oxford English Dictionary definition of "day" as a period, natural division or unit of time is: "The time occupied by the earth in one revolution on its axis . . . the space of twenty-four hours, reckoned from a definite or given point." Without entering minutely into astronomical considerations, it may be mentioned that in observatory practice time is measured by the rotation of the earth with respect to the fixed stars, and mean solar time is derived from siderial time by calculation. Owing to the third movement of the earth's axis (roughly analogous to the secondary motion of a spinning top), there is an error of about a twenty-millionth part in such calculations. In the astronomical day the hours are numbered from 0 to 23. Ancient nations variously reckoned their day to begin at sunrise, noon, or sunset. The modern civil day in most countries is the period from midnight to midnight. In English legal usage, however, there are several modifications of this principle. In the Unemployment Insurance Regulations the meaning of "day" is laid down as "any period of twenty-four hours," with the proviso that the term "does not include any part of a day being a Sunday, except in relation to a workman who, when in employment, is employed on Sundays." For the purposes of distress, the day ends with sunset; for those of the Larceny Act, 1861, night commences at 9 p.m. and ends at 6 a.m. on the following day. A recent High Court case (*C. & D.*, I. 1923, p. 538) turned on the construction of two Acts of Parliament in which the expressions "every day other than Saturday" and "week-days other than Saturdays" were used respectively; it was held that the phrase first quoted included Sunday for the purposes of the Act. In many statutes, statutory rules and by-laws, the expression "clear days" or its equivalent is used, so as to obviate doubt as to the beginning or ending of a particular space of time. When a contract provides for work to be done or goods delivered within a certain period, the day from which that period runs is usually excluded, and the corresponding day at the termination of the prescribed time included. As a rule, if the last day of a given period is a Sunday or other holiday, that fact does not confer an extra day on anyone who is bound by the terms of the agreement, and does not constitute an excuse for his omission to fulfil his part of the agreement prior to that Sunday or holiday. When the date for the meeting of a public company falls on a Sunday, it is provided by the Sunday Observance Act, 1833, that the meeting may be held on the previous Saturday or the following Monday. (*See also* Bank Holidays.) Fractions of a day are usually disregarded in legal usage; thus, in the case of a lease signed on the day that the tenant enters into possession, it is immaterial that his possession may not have commenced with the beginning of that day. If a creditor dies on the day that a debt owed to him becomes payable, it is presumed that death takes place after the debt should have been paid. A notice required to be given on a certain day is not invalid because it has been given before that day. The Latin names for the days of the week, beginning with Sunday, are:—Dies Solis, Dies Lunæ, Dies Martis, Dies Mercurii, Dies Jovis, Dies Veneris, Dies Saturni. As a heading in day-books and elsewhere, the Latin ablative of time is frequently employed in preference to the nominative case—e.g., Die Lunæ (="on Monday"). This usage still continues in the latest volume of the "Journals" of the House of Lords available (1923); in the corresponding House of Commons records it was discontinued after 1865.

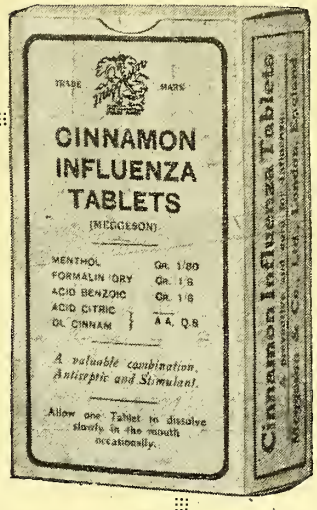
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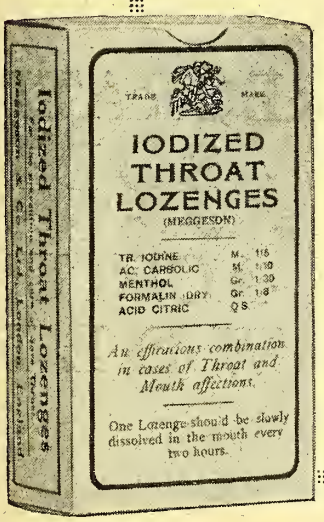
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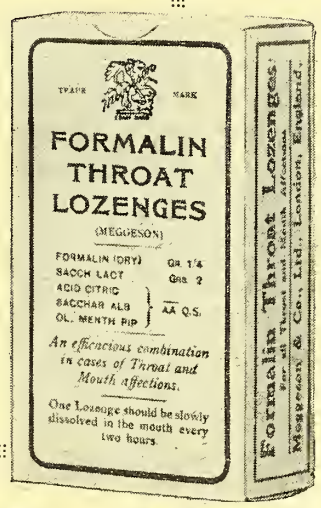


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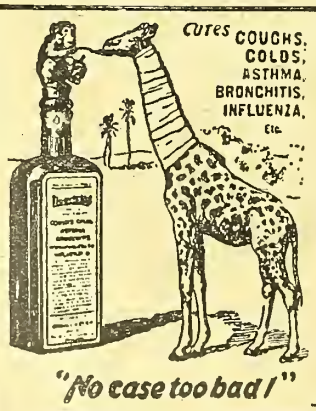
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"BELTONA," the newly-discovered treatment for all Ailments of a Rheumatic Nature or origin, most emphatically does NOT come into this category.

From experience, we know that a Trial Bottle of Beltona gives so much benefit that the patient gets confidence in the treatment which in the majority of cases, leads to extensive repeat business, and a big trade is done in £1 sizes at a very handsome profit.

How many people during the last few months have asked you for Beltona? How many of those who asked have you been able to supply? An extensive Advertising Campaign will bring still more people to your shop. Why not be ready for the demand by sending for a Trial Half-dozen Bottles To-day?

BELTONA

The new treatment

FOR ALL

RHEUMATIC AILMENTS

ARTHRITIS, RHEUMATISM, NEURITIS, LUMBAGO, GOUT, TONSILITIS, etc.

WHOLESALERS WHO STOCK BELTONA

Messrs. MAY, ROBERTS & Co., LTD., London and Liverpool.
SANGERS, London
BUTLER & CRISP, London
FRANCIS NEWBERY & SONS, LTD., London and Cardiff
W. SUTTON & Co., London.
W. EDWARDS & SON, London.
GOODALL, BACKHOUSE & Co., Leeds.
BARCLAY & SONS, LTD., London.
RICHARD DANIELS & SON, Derby.
JOHN THOMPSON, LTD., Liverpool.
AYRTON, SAUNDERS & Co., LTD., Liverpool
HALL, FORSTER & Co., LTD., Newcastle-on-Tyne.
HENRY HODDER & Co., LTD., Bristol.
JAMES WOOLLEY, SONS, & Co., LTD., Manchester.
EVANS, SONS, LESCHER & WEBB, LTD., Liverpool
T. & H. SMITH, LTD., Glasgow and Edinburgh.
COCKBURN & Co., Glasgow.
LOFTHOUSE & SALTMER, LTD., Hull.
BROOK, PARKE & Co., LTD., Bradford.
J. & J. HASLETT, LTD., Belfast.
R. HOVENDON & SONS, LTD., London.
WATERS, Darlington.
BROOKS & WARBURTON, LTD., London.
HERBERT FERRYMAN, LTD., Southampton.
BLEASDALE, LTD., York.
RAIMES & Co., York.
WILKINSON & SIMPSON, LTD., Newcastle-on-Tyne.
HEDGES, LTD., Birmingham.
W. T. COLTMAN, M.P.S., Middlesborough.
EVANS, GADD & Co., LTD., Exeter.
HAYWARDS, Walsall.
OLDFIELD, PATTINSON, Manchester.
HARKNESS, BEAUMONT & Co., Leith.
BRADLEY & BLISS, Reading.
PINKERTON, GIBSON & Co., LTD., Edinburgh.
RAIMES, CLARK & Co., LTD., Edinburgh.
HOLMAN, HAM & Co., LTD., Exeter.
JAMES TAYLOR (Trongate), LTD., Glasgow.
THOS. MACMULLAN & Co., Belfast.

"Beltona" retails at 3/- and 5/- per bottle. ½ gallon bottles £1. Price 27/- per doz., 45/- per doz. and 192/- per doz. Can be obtained direct from BELTONA, LTD., 71, High Street, Hoddesdon, Herts., or through any of the above wholesalers.

WINTER SPECIALITIES

Send us your Enquiries for

MALT & OIL, COD LIVER OIL EMULSION, COUGH MIXTURES, EMBROCATION, B.P. LINIMENT, Etc., Etc.

These and many other preparations necessary to the Winter trade are illustrated and priced in our latest catalogue, which we shall be pleased to mail you.

Special Quotations given for Winter's Supply of Malt and Oil.

BLACKIE'S COLD CREAM
IS AN ASSET TO YOUR BUSINESS

FREE SAMPLE AND PRICE ON APPLICATION.

ROBERT BLACKIE

Sole Proprietor and Manufacturer of World-Famed "SPUN" (Regd. Trade Mark) OINTMENT

SHEN WORKS, TOWER BRIDGE ROAD, LONDON, S.E.1

Telephone : HOP 2415. *Telegrams :* "USHENSPUNA, LONDON"

Nowadays "efficiency"—physical and mental—has become a kind of popular craze

A good thing too. Better too much than too little interest in individual good health. It all helps towards our well-being as a nation.

We are just opening our winter advertising campaign for

PREMIDO
IODISED TABLE SALT



Public interest and approval has already been largely won by a previous campaign, and we have already enlisted the enthusiastic co-operation of chemists throughout the country who know the good that is in PREMIDO. PREMIDO has the approval of many well-known medical officers of health who strongly recommend it as a preventive of goitre. PREMIDO is for use as an ordinary table salt. The only difference is that it contains a small, medically-approved proportion of iodine.

Stock and display PREMIDO Iodised Table Salt

If you do not do so already, write to the makers :

GEO. HAMLETT & SONS LTD.,

Salt Manufacturers,

WINSFORD, Cheshire.

(Makers of the well-known "Premier" Pure Table Salt.)

3d. per packet

AGENTS—London : Premier Salt Co., Marylebone, N.W.1. **Manchester :** Premier & City Salt & Sundries Ltd., Ardwick. **Liverpool :** (Inland Trade) Premier Salt Co., Picton Road, Wavertree. **Liverpool :** (Shipping Dept.) Geo. Hamlett & Sons Ltd., 18, Chapel Street. Φ5

The P.A.T.A.
ITS VALUE TO THE TRADE

THE MANUFACTURER OR OWNER of an article which is on the P.A.T.A. List is assured of the goodwill of the distributing trade, which appreciates his action in providing a guaranteed rate of profit on the sales of his proprietary.

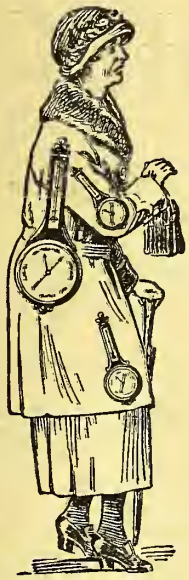
The WHOLESALER benefits by the P.A.T.A. in that he is no longer afflicted by the "cutting" of wholesale prices, which years ago was prevalent in the trade.

The RETAILER. The advantages to the retailer of the P.A.T.A. need no stressing. Thirty years ago practically every proprietary article had to be sold at "cut" prices, or general business was lost.

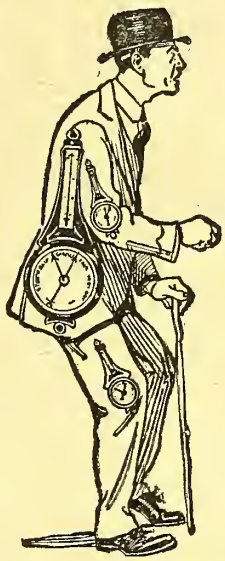
To-day the preparations of some 440 firms (nearly 3,000 separate articles) are on the P.A.T.A. List. This means that on these articles the retailer receives a fair and guaranteed rate of profit.

Manufacturers of PROPRIETARY ARTICLES (distributed by the Drug Trade) who are not at present "on the P.A.T.A.," are invited to join. The subscription is 6 guineas a year.

For particulars apply to THE SECRETARY, 18 TAVISTOCK SQUARE, LONDON, W.C.1.



CURICONES



The Wonderful Seller for

Rheumatoid Arthritis, Gout, Neuritis, Rheumatism, Lumbago and Sciatica.

Well advertised. Recommended by Doctors.
Quick Sales. :: :: Generous Terms.

Stocked by ALL Wholesale Houses.

Other lines :—
ARTHROIDS BALM, CURILAX, VICAPS,
STEMAT ANTI-CATARRHAL TABLETS,
STEMAT ANTI-CATARRHAL BALM,
MY LADY'S ROLETTE WRINKLE ERADICATOR,
THE QUROPAD MASSAGE APPLIANCE,
SANALVE, VANITY BOXES, ETC., ETC.

Write for particulars of **Cash** Bonus for Window Display.

STEPHEN MATTHEWS & Co. Ltd.

Manufacturing Chemists

19-20-21 FARRINGDON ST., LONDON, E.C.4.

Telephone: City 8342. Telegraphic Address: "Curicones, Cent, London."

WORTH A GUINEA A BOX.

Beecham's Pills

HOME PRICE LIST

Beecham's Pills:

1s. 3d. size	-	11s. 9d. per dozen
3s. 0d. ,,	-	28s. 0d. ,,
5s. 0d. ,,	-	54s. 0d. ,,

Less 2½% Cash Discount.

A further 5% allowed for Window or other Advertising display.

Orders: Minimum quantity £5 value (Assorted sizes).
PACKAGES FREE. CARRIAGE PAID.
TERMS: CASH WITH ORDER.

Cheques to be made payable to THOMAS BEECHAM, and crossed "Westminster Bank, Ltd., St. Helens."

THOMAS BEECHAM, ST. HELENS, LANCS.

(*Proprietors: Beecham Estates and Pills, Ltd.*)

TO THE RETAIL CHEMISTS and DRUGGISTS of GREAT BRITAIN

FOR some time past the "Wampole" Brand Specialties have been regularly detailed and sampled to the Medical Profession of Great Britain, with the result that the demand has increased greatly and is steadily growing.

All chemists should have these well-known preparations on hand, in order to be able to fill promptly physicians' prescriptions.

Revised P.A.T.A. Prices—		Minimum Retail	Per Dozen
Extract of Cod Liver—Wampole	15 oz.	5/-	45/-
,, ,, ,,	6 oz.	3/-	27/-
Phospho-Lecithin—Wampole	16 oz.	6/-	51/6
,, ,,	8 oz.	3/6	30/-
Creo-Terpin Comp.—Wampole	16 oz.	8/-	71/6
,, ,,	8 oz.	4/6	40/6
Magma Magnesia—Wampole	16 oz.	2/6	22/-
Magnolax Brand Emulsion—Wampole	16 oz.	4/-	34/-

Winchesters—Prices on Application.

MADE IN CANADA BY

HENRY K. WAMPOLE & Co. Ltd.

Manufacturing Pharmacists,

PERTH, ONTARIO, CANADA.

British Distributors:—

FRANCIS NEWBERY & SONS, LTD.
LONDON, E.C.1.

Russolax

REGISTERED TRADE MARK.

Russian Medicinal Paraffin

Recommended by the most eminent Surgeons and Physicians for Chronic Intestinal Stasis (Chronic Constipation).

OBTAINABLE AT ALL CHEMISTS AND STORES IN 10-oz. AND 20-oz. PANEL BOTTLES.

Sole Manufacturers:

Reddgrave, Butler & Co., Ltd.

Liquid Paraffin Specialists,

FOREST LANE, STRATFORD, E.15

ZEALS ASTHMA TREATMENT

MAKES LIFE WORTH LIVING



COMPLETE OUTFITS

FIND A READY SALE WHEN SHOWN AND QUITE A BIG BUSINESS IS DONE IN

REFILS (ZEALS ASTHMA FLUID)

Thousands in use in all parts of the World.

Write for terms and booklets.

ZEALS ASTHMA FLUID & ATOMIZER CO., LTD.
Severn Road, WESTON-SUPER-MARE.

Dr. BENGUÉ'S BALSAM

RHEUMATISM, NEURALGIA, GOUT.

PULMO (BAILLY).—Dr. BENGUÉ'S DRACÉES.
FORXOL.—HEMOSTYL.—EUPURGO.
Dr. BENGUÉ'S ETHYLCHLORIDE.
RICARD-CACHETS (Free sample on application).
ANESTILE. NARCOTILE. MUTHANOL.
EUPHORIAN AMPOULES (Entero-Antigens)

WRITE FOR SPECIAL TERMS — **Dr. BENGUÉ & CO., MFG. CHEMISTS, 24, FITZROY ST., LONDON, W.1.**

It will pay you to stock them!

When the public demand goods bearing a specified name the wide-awake retailer prepares to meet that demand and so reap the benefits which follow.

IGLODINE is fast becoming a household word, and the public, through satisfaction which comes after trial, are demanding **IGLODINE PREPARATIONS.** Are you the retailer who is preparing to meet the demand?

-Iglodine-

Write to-day for full particulars to:

THE IGLODINE CO., LTD. - Newcastle-on-Tyne. 1

PARAFFINIUM LIQUIDUM B.P. HALF-WHITE OILS, TRANSFORMER OILS TECHNICAL WHITE OILS

PETROLEUM JELLIES SNOW WHITE BP AND NATURAL WHITE BP

Pure Russian White Oils

HARDING, HOLLAND & FRY, LTD.
52 QUEEN VICTORIA STREET, LONDON, E.C.4.

Telegrams: "Seedtime, Cannon, London." Telephone: City 590 (2 lines).

THE STANDARD OF PURITY

STERNS

LIQUID PARAFFIN B.P.

Colourless, Tasteless, Odourless.
All Specific Gravities.

PETROLEUM JELLIES B.P.

White, Lemon, Yellow, Amber, Red, Green.

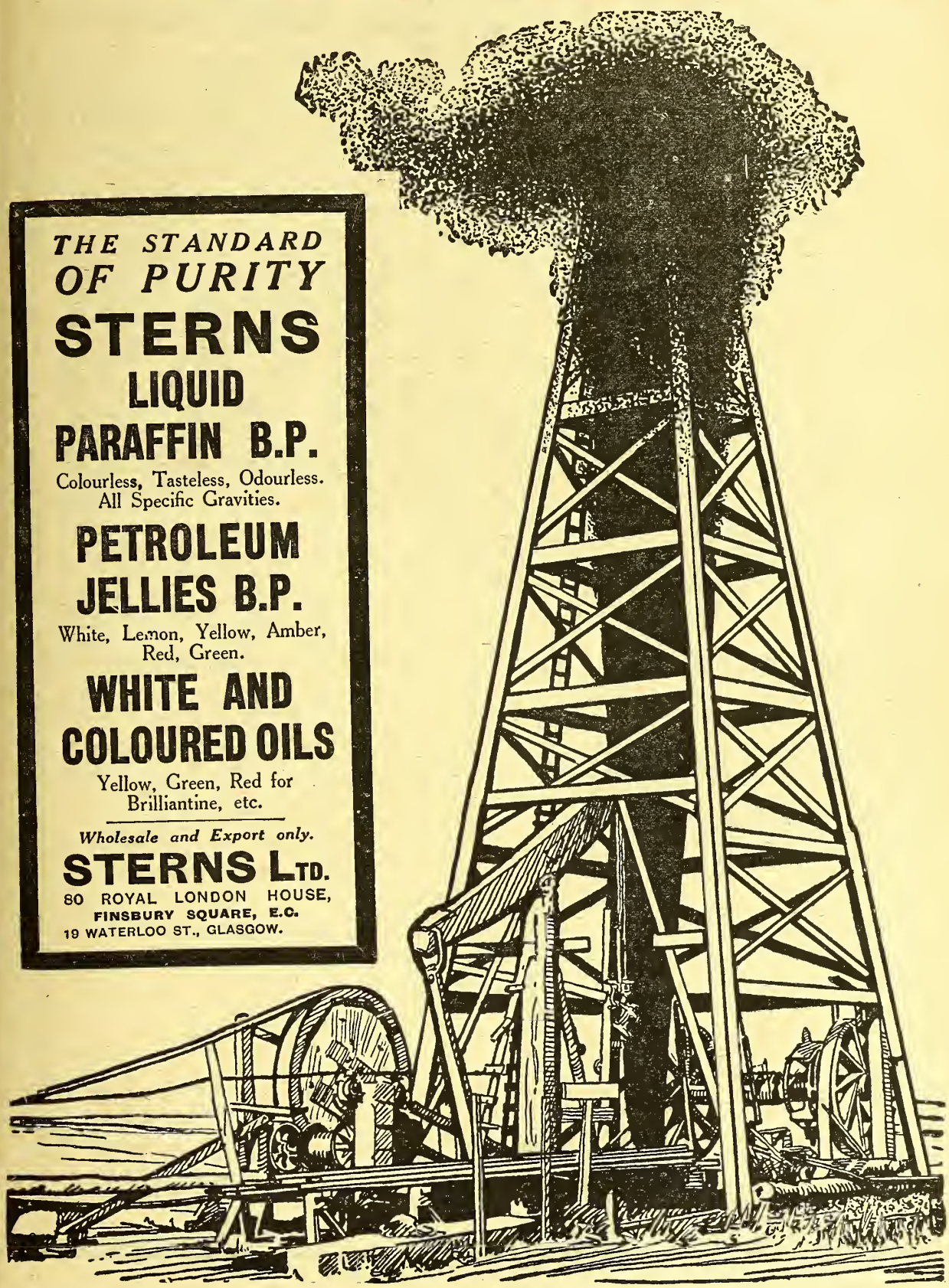
WHITE AND COLOURED OILS

Yellow, Green, Red for Brilliantine, etc.

Wholesale and Export only.

STERNS LTD.

80 ROYAL LONDON HOUSE,
FINSBURY SQUARE, E.C.
19 WATERLOO ST., GLASGOW.



Telephone—VICTORIA 7533 (4 lines). Telegrams—"Dicotto, Sowest, London."

W. B. DICK & CO., LTD.

26 Grosvenor Gardens, London, S.W.1

Works : LONDON, LIVERPOOL, GLASGOW

PARAFFINUM LIQUIDUM B.P.

S.G. 890/5. Guaranteed to remain bright at 0°C.

White and Half White Oils

B.P. White and Yellow Petroleum Jellies

QUOTATIONS & SAMPLES will be sent on application.

Petroleum Jelly

White, Yellow, Amber, & Ruby Red, for all Pharmaceutical and Veterinary purposes

MEADE-KING, ROBINSON & CO., LTD.

Liverpool - London - Manchester - Birmingham - Leeds



The Highest Standard of Quality

We invite your enquiries for

PETROLEUM JELLY White Yellow Red	REFINED COTTON OIL, EDIBLE	SPERM OIL
CASTOR OIL	ROSIN American French	NEATSFOOT OIL
FINEST COLZA OIL	TURPENTINE Genuine American Spirits	OLIVE OIL
LINSEED OIL	Substitute	WHITE OILS
		COD LIVER OIL
		NUT OIL, FINEST Edible Arachide

LUBRICATING OILS of all descriptions

Wholesale only

JAMES ARNOTT & SONS, Ltd.

Send for Prices and Samples. Write us soon . . . To-day— Thank you!

HEAD OFFICE:

47, Pilgrim Street, NEWCASTLE-ON-TYNE

JAMES ARNOTT & SONS LIMITED FOR ECONOMY, DURABILITY AND GENERAL EFFICIENCY ARNOCO LUBRICANTS ARE UNSURPASSED NEWCASTLE-ON-TYNE

PURE RUSSIAN
LIQUID PARAFFIN MEDICINAL B.P.

ALL GRAVITIES. HIGHEST VISCOSITY.

PURE RUSSIAN
"JASMINE" BRAND WHITE OILS

CHEMICALLY PURE. WATER WHITE. ODOURLESS.
FOR MANUFACTURING PURPOSES.

Competitive Prices. ***Best Quality.*** ***Immediate Delivery.***

THE PURE RUSSIAN LIQUID PARAFFIN CO., LTD.
3 ST. HELEN'S PLACE, LONDON, E.C.3

Telephone: AVENUE 7698. Telegrams: "INVATORE, STOCK."



NECTAR CREAM
(Regd. Brand)
OLIVE OIL



The BEST the World Produces

To those who appreciate QUALITY, Nectar Cream appeals irresistibly, as hundreds of regular users can testify. Chemists NEED the BEST.

Write for samples and prices of bottles, cans, and casks, to Sole Importers

RAYNER & CO., LTD.
NORTH ROAD - LONDON, N.7

PETROLEUM JELLY
("SALVO PETROLIA")
BRAND
THE PERFECTION OF PETROLEUM JELLY
MANUFACTURED SOLELY BY
THE DEE OIL CO. LD.
D 23 & 24 EXCHANGE BUILDINGS
LIVERPOOL
TELEPHONE:- CENTRAL 3859
TELEGRAMS:- "CESTRIAN"
LONDON OFFICE
49 LIME ST. E.C.3. PHONE: AVENUE 2885
PACKED IN BARRELS, KEGS OR SMALLER PACKAGES IF DESIRED.
OTHER GRADES OF PETROLEUM JELLIES, WHITE BASES ETC.
WHITE OILS B.P. & Technical Qualities
SAMPLES & PRICES ON APPLICATION
OLEUM DEELINÆ (DEE OIL)
THE UNFAILING CURE FOR ECZEMA

ADEPS LANÆ, P.B.

THE FINEST BRITISH LANOLINE PRODUCED
IS MANUFACTURED BY
THE PHARMACEUTICAL LANOLINE CO.
Carnwath Road, Fulham, London, S.W.6.
Telephone: Putney 42. WHO INVITE ENQUIRIES. Telegrams: "Batapo, Walgreen, London."

PETROLEUM JELLY

Best qualities Yellow and White B.P., Red Veterinary and Green.

GOUGH, KIDSTON & CO.
43/45 Gt. Tower Street, London, E.C. 3

Tel. No.: Royal 2666 & 2667.
Tel. Add.: Kidstonism.

Also GUM ARABIC and TRAGACANTH BEESWAX and JAPAN WAX.

Works: Bermondsey.
Tel. No.: Hop. 2029.



Why not a "Rodine" Window Show?

That a most arresting and, from a Chemist's point of view, successful Window Show can be set up with the "Rodine" advertising material has been proved many times by Chemists all over the United Kingdom. The Rat Models make the show most realistic, and convey to the mind of the passersby the immediate and paramount necessity of ridding their premises of all Rats and Mice. It pays to make a Window Show of "Rodine" as "Rodine" gives a good profit and is a good selling line. This is about the best time to put in a Show, and we would urge you to think of it now. Send your request for complete Window Show Material to the maker.

Note what other Chemists say regarding their displays:

Show Created—Interest—Sales

Messrs. Sanderson & Co., Chemists, Willington, write:—"The 'Rodine' Window Show with the Rat Models created a good deal of interest, and more important, the sales of 'Rodine' were considerably increased."

Sales Increased Three Times

Messrs. Halls' Pharmacies, Ltd., Chemists, Stockport, write:—"We herewith enclose the two Rat Models we had on show. These have improved our sales to three times our usual. 'Rodine' is the best Rat Poison seller we have."

SHOW — GREAT SUCCESS

Mr. R. H. Williams, Chemist, Holyhead, writes:—"Herewith find the Pytram Rat Models. This display proved to be a great success, and we are receiving requests for 'Rodine' in increasing numbers."

Increase your Net Profit. Decide to make a Window Show now. Write to the maker:

HARLEY, *Manufacturing Chemist,* **Perth, Scotland.**

Ask for "PAZO"



PILL BOXES

The most convenient and secure Pill Box obtainable.

NO LOOSE BOTTOMS

Samples and Prices on application.

The "PAZO" CO., Oldbury

SHERLEY'S DOG MEDICINES, INSECT POWDER, SHAMPOO AND LACTOL.

(P.A.T.A.)

These preparations command a ready sale, and are by far the largest advertised of any on the market. They are protected at prices that leave a good margin of profit for the retailer, and the terms on which they are supplied preclude any possibility of loss. We have an excellent range of literature and show cards, and do all in our power to assist chemists by referring mail customers to them.



WRITE FOR PRICE LIST AND TERMS.

A. F. SHERLEY & CO., LTD.

18 MARSHALSEA ROAD, LONDON, S.E.1

Tel. No.: Hop 1897. *Telegrams:* "*Sherleydom, London.*"



First Favourite with Dancers.

HANDSOME 3-COLOURED ENAMELLED TIN.

P.A.T.A.—1/6 .. 12/- per doz.; 3/6 .. 28/- per doz.

SOLD EVERYWHERE. Manufactured by

LOFTHOUSE & SALTMER Ltd., HULL.

Venesta



Write for Illustrated Lists.

Collapsible Tubes

Lipsalve Cases, Sprinklers, etc.

Made in Pure Tin, Lead, or Lead coated with Tin, Plain or Enamelled, and printed with designs to suit customers' own requirements

Manufactured by

Venesta Ltd.
1 Great Tower St. E.C.3
London, England

Telephone: ROYAL 4200 (6 lines).

Telegrams: "Venesta, Bilgate, London."

Tubes, etc., are manufactured to Customers' own specification

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THE **QUEEN "MAB" VAPORISING LAMPS**

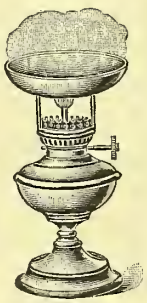
THE HOME DISINFECTOR



TIN. China Saucer.

The only satisfactory Vaporiser made. Can be used with any kind of liquid which is suitable for vaporising. PERFECTLY SAFE.

Prices & particulars from your Wholesale House or



BRASS. China Saucer.

MAB CO., 73 Newhall St., BIRMINGHAM

"TAPON" (Regd.)

Tie up your Parcels with Advertising Tying Tape. Pleases both Eye and Pocket and gives Distinction to every Parcel sent out.

Various Colours and Widths, Printed or Plain.

Write for particulars, when Prices and Patterns will be forwarded.

S. D. SIMOND & CO., LTD.

10 Monument Street - - E.C.3

Tel.: Avenue 6378. Telegrams: "Duncasim London."

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Apply to

ROBERTS & NEWTON

11 CARTHUSIAN STREET, LONDON, E.C.1.

City 1631.

ESTABLISHED PRINTERS TO THE DRUG TRADE FOR NEARLY FORTY YEARS.

MAWSON'S

OPTIMUS FILTERS

The most efficient household filter. Made in different sizes in earthenware, glass and tourist patterns. Stocked by leading wholesalers.

Write for terms to the manufacturers.

MAWSON FILTER COMPANY

(MAWSON & PROCTOR, LTD.)

NEWCASTLE-ON-TYNE.



FAIRY DYES

Mean Greater Turnover for You—and Absolute Satisfaction for Your Customers.

THERE is no more attractive line on the market to-day—there is no better seller—and no article has made larger strides in popular favour.

FAIRY DYES

are now sold in glass tubes, encased in smart, clean-looking "safety-first" cartons. They are retailed at 2d. each, made in 25 popular shades and colours, and are extensively advertised in the right publications.

You can *rely* upon Fairy Dyes—for prompt delivery in any quantities—for fresh stocks—for quick, easy-to-handle, clean turnover, and as tried favourites your customers are always satisfied. See that you are supplied without delay.

For Trade Terms and particulars write to

FAIRY DYES, LTD., 61 WELL ROAD GLASGOW.

London Depot - - - - - 292 UPPER STREET, ISLINGTON, N.1.

SHOWCASES

UPRIGHT CENTRE CASES, WALL CASES,

GLASS COUNTERS, MIRRORS

WINDOW FITTINGS, GLASS SHELVES,

SHOW STANDS, DRAWERS, DESKS

CHECK TILLS, &c. **Immense Stock.**

NEW and SECOND-HAND.

Ready for Immediate Delivery. For Sale or Hire.

FREDERICK MAUND

175/9 Old St., LONDON, E.C.1.

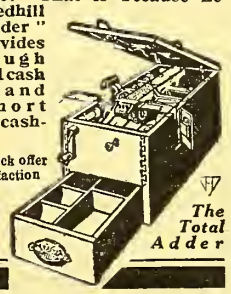


Get home earlier! Send for special booklet re Cash Tills and the Chemist.

Home Early!

Comfortably resting by the fireside—enjoying his pipe and the wireless programme. That is because he uses a Gledhill "Total Adder" which provides a thorough check on all cash received and makes short work of "cashing up."

Our money back offer ensures satisfaction



The Total Adder

G. H. GLEDHILL & SONS, LTD., 16 Trinity Works, Halifax.

Quality

Quality

and again

Quality



backed by attractive and consistent advertising—that's the secret of Drummer success and the reason Drummer is a steady, ever-reliable profit-bringer.

28 Colours to Retail at 4d.

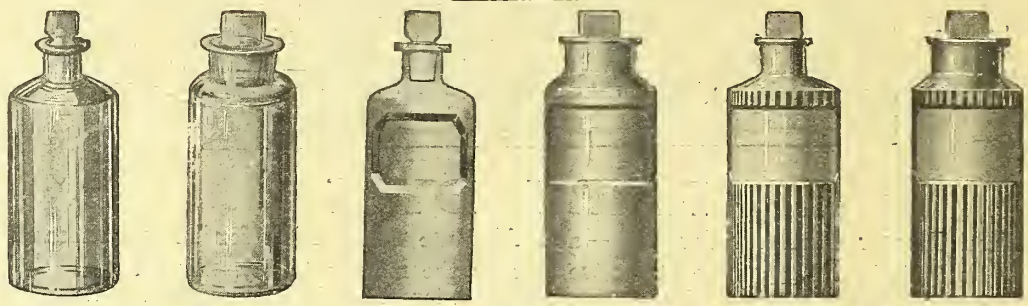
Drummer Dyes

SHOWCARDS, CUT-OUTS, etc., FREE.

Trade terms and full range of attractive advertising matter sent free on receipt of post card to

EDGE'S, BOLTON

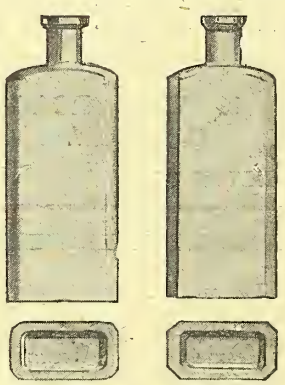
Registered Trade **W** Mark, No. 26866.



Hand-turned Shop Rounds. Recessed Shop Rounds. Recessed Poison Rounds.

SHOP BOTTLES

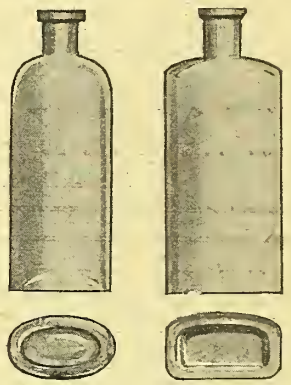
of the finest finish. Perfect Stoppering. Made in glass free from arsenic and lead; this feature is of vital importance in the case of Shop Bottles.



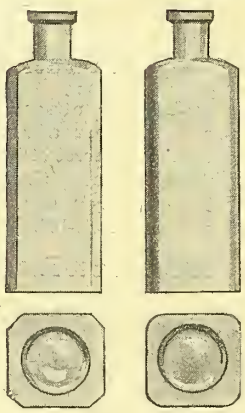
R.C. Flat. B.C. Flat.

DISPENSING BOTTLES—

accurate in Capacity, free from arsenic and lead, and handsome in appearance. The aristocrats of bottles.



Oval. Oval Fronted Flat.

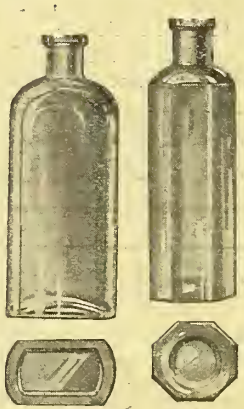


B.C. Square. R.C. Square.



DOUBLE-ENDED FEEDERS

The finest the world has yet seen. Made in beautiful lustrous white flint glass which is so durable that it may be boiled continuously for twenty-four hours without shewing signs of deterioration.



Oval, 2 Flat Sides. Octagon.

Sold by all the Leading Wholesale Houses.

WOOD BROTHERS GLASS CO., LTD.

BARNSLEY, (Established 1828) **ENGLAND**

I AM an experienced and able Works and Mixed Staffs Controller used to Manufacturing, Packing and Despatch in all branches, Proprietaries and Mail Order; energetic, well educated, married, age 47; highly recommended. For details 134/19, Office of this Paper.

IRISH FREE STATE.—Chemist, age 28, good connection, live salesman, wishes negotiations with Manufacturers of Chemists' Specialities on salary, expenses and commission. 137/30, Office of this Paper.

M.P.S., young, energetic, desires post with Manufacturing Chemists where capital and services could be utilised to best advantage; excellent Retail and Hospital experience; highest references. 134/24, Office of this Paper.

PERFUMERY.—Practical man, with 10 years' experience in manufacturing first-class Vanishing Creams, Face Powders, Toothpaste, Bath Crystals, Hair Washes, Shampoo, etc. (also effervescence), desires change; good organiser. 137/40, Office of this Paper.

QUALIFIED Chemist, tall, age 46, desires to represent a good Wholesale Drug or Sundry House; well known amongst Chemists and Doctors in South and West Yorkshire. 136/310, Office of this Paper.

REPRESENTATIVE, calling regularly on London and Suburban Chemists, requires side line; not Toilet preparations and no heavy or large samples. H. V. Cullingford, 17 Windermere Road, Ealing, W.5.

WAREHOUSEMAN, all-round experience, 12 years in charge of small staff, disengaged end November. P.C.B. 35/5, Office of this Paper.

WELL-KNOWN Representative, 10 years' live connection, Lancashire and Cheshire, is open to represent established Drug, Packed Goods, or Sundries House; reliable worker; excellent credentials. Apply 131/27, Office of this Paper.

YOUTH, 20 with Dispensing experience, seeks post, Wholesale Firm or Institution; commence November 30. Apply 137/19, Office of this Paper.

[COLONIAL, INDIAN AND FOREIGN.]

QUALIFIED Chemist, young, capable and energetic, 8 years' experience of high-class Retail trade, now in Rhodesia, desires position with firm of repute as Representative in South Africa and Rhodesia; excellent references. Write 131/30, Office of this Paper.

MISCELLANEOUS.

McADAM & TUCKNISS, Stock and Share Brokers, Westminster Bank Chambers, Blackheath, S.E.3. Established 1898. Telephone: 81 Lee Green. Shares for Sale, free of commission (subject):—120 Allenbury "C" 6% Pfs., 20s. 1½d.; 700 Amalgamated Dental Defd., 7s. 10½d.; 100 Brit. Photo. Pfs., 8s. 1½d.; 300 Beechams Ord., 22s.; 250 Brit. Dyes Pfd. Ord., 8s. 3d.; 500 Crosfield 6½% Pfs., 19s. 10½d.; 500 x 7½% Pfs., 20s. 4½d.; 800 Dental Mfg. £1 fully paid, 5s. 4½d.; £600 x 4% Deb., 56; 500 Idris "A" 6% Pfs., 16s. 3d.; 1,000 International Sponge Ord., 2s. 9d.; 25 Rayon Defd. Ord., 6s. 9d.; 350 Sumatra Para Rubber, 7s. 6d. c.d. 25%; 500 Sungei Gestah, 4s. 4½d.; 1,000 Sittang Valley, 1s. paid, 1s. 3d.; 50 Melso 7½% Pfs., 24s. 10½d.; 1,000 Virol 7% Pfs., 22s. 10½d.; 500 A. J. White Ord., 9s. Wanted (subject): Allenburys; Wright Layman Pfs.

CHEMIST'S Fittings (second-hand), also new.—Ranges of Drug Drawers, Dispensing Screens, Glass-fronted Counters, Wallcases, Centre Cases, and All Glass Counters; Counter Cash Tills from 25s. The "Kwik-Sale" Case, made specially for Chemists' Counters, with slope front and mirror sliding doors at back, 3 ft. long, price £5 10s. D. MATTHEWS & SON, Chemist Fitters, 14 and 16 Manchester Street, Liverpool.

MAHOGANY FITTINGS.—Wall Case, 10 ft. long, 8 ft. 9 in. high; one Wall Case, 6 ft. long, 7 ft. 6 in. high, 1 ft. deep; Drug Fitting, 14 ft. long, 48 drawers; Dispensing Screens, 7 ft. and 6 ft. long; top part Second-hand Dispensing Screen, 9 ft. long, two recess mirrors and three cases; a fine bent Counter Case, 9 ft. long, 5 lift up fails; Perfume Case and Desk; Silent Salesman, 5 ft. high. Low prices. GEORGE COOK, Chemists' Fitter, 267 City Road, London, E.C.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.2.

SHOP FITTINGS (Second-hand).—14 ft. Drug Fitting, drug drawers, etc., 10 ft. glass-fronted Counter, Perfumery Case and Desk, and nest of Counter Drawers, 8 ft. Mahogany Wall Case, 6 ft. Dispensing Screen, complete; hargain, £147. Also handsome modern set of Oak Interior Fittings, suitable for high-class or West-End Pharmacy; would accept £170. Details, etc., on application. H. MILLS & SONS, LTD., Shopfitters, 163-5 Old Street, London, E.C.1.

£135.—COMPLETE SET OF FITTINGS.—Could easily be adapted to fit almost any sized shop. A great bargain. 20 ft. Drug Fitting containing 144 drawers in lower part, with lockers and cupboards, glass cases and mirrored poison cupboard and shelves in upper part; 15 ft. Counter with cases in front fitted glass shelves, drawers at back; 8 ft. Wall Show Case; Perfumery Showcase; 6 ft. very handsome Dispensing Screen; Counter Cases; Cash Desk; ready for immediate despatch. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.1.

ALL DRUG CLERKS AND FOREMEN

should join at once

The NATIONAL DRUG & CHEMICAL UNION

(incorporating the National Association of Chemists' Assistants)

BENEFITS: Trade Protection—Legal Aid—Unemployment Benefit—Free Use of Employment Bureau.

Write for particulars:—ARTHUR J. GILLIAN, Gen. Sec.

149 Newington Causeway, LONDON, S.E.1

BRITISH EMPIRE EXHIBITION,
WEMBLEY.
GREAT CLEARANCE SALE
by Auction of nearly
300 PLATE-GLASS SHOWCASES,
assembled for convenience of Sale in the
INDIAN PAVILION,
on
THURSDAY, NOVEMBER 12,
at ONE.

The Plate-glass Showcases principally consist of over
150 SEE-ALL GLASS COUNTERS
(from 4 ft. to 8 ft. in length each),
100 or more COUNTER SHOWCASES, all sizes,
50 SILENT SALESMEN and CENTRE CASES,
30 UPRIGHT COUNTER CASES,
30 MIRROR-LINED WALL SHOWCASES,
QUICK SERVICE COUNTERS,
Cashier's Desks, Tills, Mirrors, Office Furniture and Miscellaneous Items.

All the Showcases are in mahogany, well made and new except for the few months' wear at the Exhibition, during which period they have been well cared for. They are all of standard dimensions, and consequently suitable for general Shop and Showroom display.

On View Day prior and Morning of Sale.

Catalogues, price 6d. each, including Vouchers admitting to Exhibition Grounds on View and Sale Days, can be had of the Auctioneers,

B. NORMAN & SON,
5 Little Britain, London, E.C.1,
Telephone: Central 2846,

or at Turnstiles, South-West Entrance, B.E.E., Wembley (admission by this entrance only).

TRANSPORT.—Special arrangements have been made with several Carriers to provide facilities for the clearance of goods purchased, or despatch by rail at moderate charge inclusive of insurance against breakage, if desired.

FOR Sale, Complete Fittings of Chemist's Shop, comprising 14 ft. 8 in. Run of Deal Drawers with Lockers, Shelving and Cornice, painted and grained; Wall Cases and Shelving, handsome 8 ft. 8 in. long Mahogany Display Case, Specio Jars, Carboys, Wide- and Narrow-mouth Shop Bottles, Ointment Jars, etc. Offers to H. Clarke, 6A Lowther Street, Whitehaven.

THE PERIODIC ACCOUNTANCY SERVICE, 11 Woodgrange Gardens, North Finchley, N.12.—Why be inconvenienced by having to write up Accounts? The P.A.S. will do it for you regularly and supply Monthly Reports, also certified Balance sheet and Profit and Loss Account. Result, Income-Tax anxieties cancelled. Moderate inclusive terms. Send a P.C. and a Representative will call.

LIMITED COMPANIES REGISTERED.—I have now been engaged in this work over 20 years, so you may rely that my experience in Chemist and other Companies (I take all trades) is hard to beat. Most reasonable and inclusive fee. Advice free.—A. B. SLACK, 15 Christ Church Avenue, West Didsbury, Manchester.

EXCHANGE COLUMN.

FOR DISPOSAL.

20 GROSS Enamelled Tin Tooth Powder Boxes, 35s. the lot clear. Sample, Poole, 74 Hurstbourne Road, S.E.23.

WANTED.

SIFTING and Mixing Machine (Gardner's make). Write 74/446, Office of this Paper.

GOWER, Chemists' Bookseller, 41 Voltaire Road, Clapham, wants Pharmaceutical Books and Students' Requisites.

"PHARMACEUTICAL FORMULÆ," current edition, clean perfect copy wanted. Quoto price "L.," 12/14 Lafone Street, London, S.E.1.

SHOP UTENSILS.—Mortars, Pill Machine, etc., for new Pharmacy. Frame, Ealing Common, W.5.

FIVE HUNDRED VACUUM FLASKS, pint size. Trann, 42 High Street, Smethwick.

LADY suffering from loss of hair will gladly pay one guinea to anyone sending her a recipe for stopping same and making the hair grow again. Only stipulation, proofs must be sent that recipe will do its work properly. 137/16, Office of this Paper.

Printed for the Proprietors by THE AVENUE PRESS (L. UPCOTT GILL & SON, LTD.), 55 to 57, Drury Lane, W.C.2, and Published by the Proprietors, Morgan Brothers (Publishers), Ltd., at 42 Cannon Street, in the City of London.—Nov. 7, 1925. [84]

ENERGETIC young man, experienced all branches, Retail or Wholesale, requires berth in Birmingham district; possesses initiative and the will to work. "Zinzib," c/o G.P.O., Walsall.

EXPERIENCED Assistant, all branches; qualified Dispenser; disengaged. "Aspirin," 33 Chobbham Road, Knaphill, Woking.

EXPERIENCED (qualified) desires post as Manager or Locum; tall; good references. 136/31, Office of this Paper.

FIRST-CLASS experience; 7 years Regent Street; Photography; tall; abstainer; energetic; A1 references; disengaged. "Mac," 4 Arundel Gardens, W.11.

FULL or Part-time Dispensing required by experienced Dispenser in London. Apply "J.," 137 Sebert Road, Forest Gate.

LADY Dispenser to Chemist, Surgeon or Institution; good experience and reference; moderate salary to commence. Hilda Clark, Thorold Lodge, Bitterne Park, Southampton.

LADY Dispenser (Hall), 9 years' experience, seeks post within travelling distance of Croydon; whole, part-time, or evening; excellent testimonials. (Miss) G. M. Holliday, 50 Friends Road, Croydon.

LADY Dispenser (trained nurse), experienced, requires post with doctor; disengaged now. Miss Budd, "Odzanenz," Canvey Island, Essex.

LADY Assistant, unqualified, desires post in London; Counter, Photographic and Window-dressing; 8½ years' experience. 137/25, Office of this Paper.

LEEDS.—Unqualified Junior (21), Photo., Counter, Dispensing experience, requires part-time berth. "Antifebrin," 86 Louis Street, Chapeltown, Leeds.

LOCUM, temporary, or Stocktaking; take entire charge; excellent references; moderate terms; disengaged. "Aspirin," Evans Lescher & Webb, Ltd., Chemists, Liverpool.

MANAGER, experienced Pharmacist, with initiative, age 30, married, requires position in good-class Pharmacy, with living accommodation; South preferred; free one month. 131/28, Office of this Paper.

MANAGER, 38, desires change; first-class references; wide experience, Dispensing, Window-dressing, Photo., Buying, Advertising; used to high-class trade; free shortly. Apply 133/37, Office of this Paper.

MANAGER or Assistant; qualified and Registered Dentist; married. "X. Y. Z.," 134/13, Office of this Paper.

MANAGER.—Experienced Qualified Chemist requires post as Manager or Senior capacity, or would manage business with view to succession. Wynter, 6 Homesdale Road, Bromley, Kent.

MANAGER; qualified; capable; conscientious; over 20 years' experience; well recommended; married; interview will lead to business; permanency preferred; London suburbs or within 50 miles; disengaged. P.C.B. 35/37, Office of this Paper.

MINOR Student, Lady, 21, disengaged; excellent references; Dispensing, Counter, Window-dressing, Stock, Photographic; accessible. 61 Blakehall Road, Carshalton, Surrey.

M.P.S., 27; West-End and Continental experience; knowledge of Optics; now disengaged; Manager or Assistant. "J. G.," 26 Mornington Crescent, N.W.1.

M.P.S., 27; Manager or Senior; West-End and City experience; seeking permanency; very capable and conscientious; well recommended; single; free one week. P.C.B. 35/390, Office of this Paper.

MURIEL PRICE, qualified, disengaged November 9, desires permanency in London district; Front Counter; experienced Saleswoman. Priesthills Road, Hinckley, Leicestershire.

PART-TIME.—Student, age 24, unqualified, requires situation three or four evenings a week or Friday night and Saturday, otherwise by arrangement; immediate. 32, Tremadoc Road, Clapham, S.W.4.

PART-TIME; City, West-End experience; first-class Counter and Dispensing; also knowledge of foreign languages. P.C.B. 35/310, Office of this Paper.

PART-TIME or Locum; qualified; 31; West-End and provincial experience. Terms to Cohen, 16 Cambridge Street, W.2.

PART-TIME, evenings; Counter and Dispensing; West-End experience; excellent references. Martin, 120 Salehurst Road, S.E.4.

PART-TIME.—Student requires evening work, occasional afternoons; Part I; tall; excellent references; interview. "D. D.," 62 Edithna Street, Stockwell, S.W.9.

PHARMACIST, 23, requires post; 8 years' experience; high-class Dispensing, Photography, Window-dressing, etc.; excellent reference. Trott, 8 Belle Vue Terrace, W. Worthing.

PHARMACIST open to accept part-time duties or position as cover; moderate salary; first-class references. Apply 133/370, Office of this Paper.

PHARMACIST, Scotsman, 43, healthy, 5 ft. 11 in., abstainer, married, no family, 28 years' experience, desires post as Manager; one with view to Partnership, or purchase might be considered. 136/13, Office of this Paper.

QUALIFIED; 22; 5 ft. 9 in.; 7 years' experience, Counter, N.H.I., Windows, Photo.; Birmingham or Wolverhampton district. 131/26, Office of this Paper.

QUALIFIED; 27; Manager or Assistant; tall; trustworthy; good all-round experience; quick, accurate Dispenser, good Window-dresser; excellent references; disengaged. J. S. Willcocks, Datchet, Windsor.

QUALIFIED, disengaged 3 days weekly, as Relief, or assist one, two or three days weekly; reference present employer. Jones, 103 Badlis Road, Walthamstow, Essex.

QUALIFIED, elderly Manager, Cover, Dispenser, any district, disengaged; moderate salary. "Pharmacist," 162 Walton Street, Oxford.

QUALIFIED, 24, seeks position in good-class business; good Dispenser and Counter; London or anywhere in Kent suitable. "F. H.," 23 Highfield Road, Dartford.

QUALIFIED; tall; 45; Locum or permanency; highest references; reliable and trustworthy; excellent Dispensing and Counter experience; disengaged. 137/6, Office of this Paper.

RELIABLE, with wide experience, would take temporary work or permanency; first-class Counterman; recommended by Messrs. Evans Lescher & Webb; a "wire" would bring me; disengaged; unqualified. "F.," 286 Kingsland Road, E.8.

SUPER or Dispenser; middle-aged; qualified; full or part time. "Chemist," c/o Mrs. Hartley, Spring Grove Walk, Burley, Leeds.

UNQUALIFIED Assistant, 35, tall, good all-round experience, desires position in wholesale or retail; excellent references; at liberty. Lamb, 84 Osborne Road, Forest Gate, London, E.7.

UNQUALIFIED; 26; 8½ years' experience, Dispensing, Counter and Photography; excellent references; disengaged. "R. W.," 41 Geraldine Road, Wandsworth.

UNQUALIFIED Assistant desires furthering of experience in good-class Dispensing, preferably Liverpool or district. T. L. Griffiths, 22 Beaconsfield Street, Princes Park, Liverpool.

UNQUALIFIED; 30; experienced, Counter, Photography, Stock, Window-dressing; conscientious; trustworthy; abstainer; permanency desired; free November 14. 137/1, Office of this Paper.

YOUNG lady, 8 years' experience, desires post in London; toilet counter preferred. Write Taylor, 2 Mordaunt Street, Stockwell.

WHOLESALE.

A REPRESENTATIVE, established Midlands, dealing with Chemists, Haberdashers, Hairdressers, open for few Powder Bowls, Puffs, etc., etc.; commission basis. 138/16, Office of this Paper.

A WELL-KNOWN Special Correspondent to leading Newspapers, possessing useful social and propaganda influence, also first-class entrée into exclusive City Financial circles, is free to render unique services to a really progressive house of high reputation; in a position to arrange distribution and introduce enthusiastically to its clientèle a new and original line in smartly-dressed Packed Toilets; each capable of most effective demonstration and sales-commanding write-ups; the most arresting colour-scheme and show-material is by well-known Trade Artist; ample new stock immediately available to fill Xmas and New Year Orders; advertiser would make liberal and worthwhile terms and would assist in bringing forward journalistically (publicity, sales-stimulating letters, etc.) this series and a kindred article of equal merit and effect a material saving in advertising generally; could no doubt influence capital where a thoroughly sound firm is making headway and is wishful of extending business operations; undeniable personal references gladly volunteered. Serious and keen readers will kindly respond to 139/20, Office of this Paper.

ADVERTISER, experienced, conducting regular personal propaganda among Doctors, London and provinces, would undertake additional new proposition requiring skilled introduction. Apply P.C.B. 30/15, Office of this Paper.

ADVERTISER requires one or two good Proprietary Lines, i.e., Tooth Pastes; ground covered, Western Counties; customers, Chemists and Hairdressers. 139/22, Office of this Paper.

AN additional representation required.—Gentleman, young, energetic, calling on all Chemists in West of England and South Wales, thorough knowledge of ground and good connection, will consider any proposition from firm of repute. Full details and terms, in confidence, to "Le V.," 136/40, Office of this Paper.

AN experienced woman desires permanent position; willing worker; experienced Centrac tube machinery, filling, labelling, packing, etc.; good references. 74/442, Office of this Paper.

CAN anyone offer advertiser position as Checker or Stock-keeper or any similar position in Wholesale Warehouse? With 9 years' experience; thoroughly reliable; good worker; excellent references; disengaged. 136/27, Office of this Paper.

CHEMIST.—A live business man, not afraid of work, is desirous of representing Wholesale House North of England, Scotland, or both; own car for use if necessary; immediate or could await your convenience. Replies 134/2, Office of this Paper.

EXPERIENCED Traveller, expert in marketing Proprietary Specialities, open to represent house on Eastern territory (Grimsby to Portsmouth); own car; expenses and commission. 123/7, Office of this Paper.

EXPERIENCED Traveller wishes represent good House; Devon and Cornwall ground; old-standing connection Chemists, etc.; commission and expenses; qualified. 137/9, Office of this Paper.

GOOD Hospital, Retail and Wholesale experience; either whole or part-time employment; Manufacturing or Literary Work. P.C.B. 35/31, Office of this Paper.

WHOLESALE.

LANCASHIRE AND CHESHIRE.—Part-time, resident Representative, calling upon Retail Chemists and wishing to take up a further commission which will not class with lines already handled, should communicate with Advertiser, giving full particulars as to present Agencies, ground covered, commission, etc., 74/450, Office of this Paper.

LONDON Manufacturers of Pharmaceutical Specialities have vacancy in their factory for young man with manufacturing experience; knowledge of galenicals and ability to operate modern pill and tablet plant an advantage; satisfactory prospects for really careful worker. State full particulars, including age, salary required, etc., to 136/23, Office of this Paper.

ADVERTISERS, who are the Proprietors of a well-advertised Winter Line, are desirous of getting into touch with a representative calling upon Chemists in the North of Ireland. 137/130, Office of this Paper.

ANALYTICAL CHEMIST.—A firm of Manufacturing Chemists in the North of England have a vacancy in their Laboratory for an Analyst; he must hold the Degree of B.Sc. of an English University, and be a qualified Pharmacist. Apply, stating age, previous experience and salary required, to 74/440, Office of this Paper.

COMPETENT, ambitious, young, qualified Chemist required by an established firm of Manufacturing Chemists and Export Merchants; good credentials essential; excellent prospects. Apply, with full particulars, salary expected, etc., to "Vytina" (P.C.B. 34/13), Office of this Paper.

COMPRESSED TABLETS. — Experienced Tablet Maker required by a Northern Provincial House; permanency to a suitable man. Please give in first letter full details of experience, age, and wages required. 134/30, Office of this Paper.

EXPERIENCED Representative, with connection among Medical men, required to handle a highly scientific Proprietary Remedy for Tuberculosis, on commission. Apply Black, Vere Street, Birmingham.

FILLERS and Finishers (females) required with experience. P.C.B. 35/330, Office of this Paper.

PART-TIME Representative with live connection wanted for the West of England and South Wales by well-known house specialising in Pills, Tablets, Toilets, etc.; commission basis. Applications, giving full particulars, will be treated in strictest confidence. 74/451, Office of this Paper.

REPRESENTATIVE required by London Wholesale Honse with some experience of representative work among Chemists, Institutions and Doctors; young qualified Pharmacist preferred, with some knowledge of the West of England district. Send full particulars of age, experience, salary, and copies of any references to 74/441, Office of this Paper.

REPRESENTATIVES required, calling on Chemists in Midland Counties, to add a Speciality now being advertised on this ground. Write 74/443, Office of this Paper.

REPRESENTATIVES—£5 to £10 extra weekly.—Manufacturers of Poudre Vanore (in sifter box) and Creme Vanore (Eau de Cologne), both retailing at 6d., require Representatives for (1) Wales, (2) Midlands, (3) Home Counties. Only first-class men with wide connections and representing good houses need apply. Vanore, Ltd., 4-6 Muswell Hill Road, London, N.6.

REQUIRED in Despatch Department, young man with knowledge of Druggists' Sundries and Surgical Instruments. Apply to W. H. Gunnell, 22/23 Little Portland Street, W.

REQUIRED, energetic Representative, with connection, calling upon Chemists and Perfumers, etc., for London and provinces to sell Chemist and Perfumery Bottles, also Essential Oils. Write, stating age, and full particulars of ground covered, etc., wages required, "R. A. F.," 73/430, Office of this Paper.

REQUIRED for London Wholesale Druggist, Junior Shorthand-Typist; previous experience of Drug Trade essential. Apply by letter, giving full particulars, to "X. Y. Z.," 74/449, Office of this Paper.

SALESMEN.—Live wire Travellers for London and provinces already representing a house calling upon Chemists, Ironmongers, Oil Shops, Saddlers; must cover territory intensively and frequently, and will be supported with advertising. Kilol Rat and Mouse Exterminator, already well established, and to such men capable of introducing substantial business a small salary and good commission payable weekly. Write territory covered, house representing, etc., to "Sales," Kilol, Ltd., Bon Ami Works, Rochester Place, Camden Road, London, N.W.1.

WANTED by an old-established firm who manufacture a Proprietary article, representation on commission in the following districts: Eastern, Midland, Northern, Southern and West Counties; one traveller in each; full particulars of present house represented asked for in confidence. Letters marked "S. I.," 129/31, Office of this Paper.

WELL-ESTABLISHED Firm requires the services of young Qualified Pharmacist as Representative S.E. Counties; good Retail experience essential; preference to one with some knowledge of the "road"; salary, commission, expenses; progressive position for suitable man. 138/4, Office of this Paper.

YOUTH reqnired, with knowledge of Sundries, by London Wholesale Drug House. State experience, age, etc., P.C.B. 35/33, Office of this Paper.

[COLONIAL, INDIAN AND FOREIGN]

CEYLON.—Chemist required for Ceylon; a young qualified Dispensing Chemist to sail in January; preference given to man with Optical experience; 4 years' agreement; passage paid; good prospects to right man. Apply, giving full particulars as to age and experience, to Box 415, Leathwait & Simmons, 34 Throgmorton Street, London, E.C.2.

KENYA COLONY.—Wanted, qualified Assistant, about 25, single, Lancashire man preferred, with good all-round experience, including Photography; 4 years' agreement; second class passage paid out; salary £360 per annum for the first two years, £450 for the third year, and £480 for the fourth year. Reply, with photograph, full particulars and copies of references, to P.C.B. 34/12, Office of this Paper.

SITUATIONS WANTED.

RETAIL.

[*HOME.*]

A.A.A.—M.P.S., 33; 18 years' Retail experience, London and provinces, Manager, etc.; free November 23. "M. G.," 131/33, Office of this Paper.

A.A.A.—ENERGETIC, unqualified Manager, Assistant or Locum; immediate; well experienced; have good references; state salary giving. Barclay, 4 Brampton Gardens, Brampton Road, Harringay, N.15.

A CAPABLE, Unqualified Assistant (23) desires post in high-class Business; energetic; highest references; Bristol or Bath preferred. 138/1, Office of this Paper.

A YOUNG qualified gentleman desires a permanent position in the Midlands; well recommended and energetic; experienced in all branches, including Photography and Window-dressing; conscientious worker. "Reliable," 25 Dun's Lane, Leicester.

APPRENTICESHIP.—Youth, educated, recommended, wishes to be Apprenticed to Pharmacist in good position. Particulars, Nichols, M.P.S., 8 Station Road, Walthamstow, E.17.

AS Branch Manager in London; qualified; capable; experienced; young; excellent references. "Chemist," 66 Oseney Crescent, Camden Road, N.W.5.

AS Manager or Assistant; Locum or permanency; highest references and experience; moderate terms; reliable. "Disengaged," 161 Whiteladies Road, Bristol.

AS Locum, Assistant; unqualified; 36; smart; capable; all-round experience; well recommended; Eastern Counties. "Swallows," Shermersdale Road, Clacton-on-Sea.

ASSISTANT, Manager, Locum, 40; competent, experienced all class, branches, city, seaside, country; terms moderate. "Chemicus," 79 Cecil Street, Manchester, S.

ASSISTANT; thoroughly competent all branches; permanency; country preferred; sound experience, London and provinces; please state salary. 134/3, Office of this Paper.

ASSISTANT; unqualified; 20; tall, smart and capable; excellent all-round experience; 4 years in high-class Pharmacy; disengaged; London preferred. Hedley W. Dawe, Fore Street, Bere Alston, Devon.

ASSISTANT, thoroughly capable Dispenser and Counterman, desires Locum or permanent engagement; highest recommendations; unqualified. "C.," 3 Camden Road, N.W.1.

ASSISTANT (27), disengaged; good-class Counter and Dispensing experience; London preferred, not essential. Roberts, 11 Bedwas Place, Penarth.

ASSISTANT; experienced; 35; unqualified; up-to-date; reliable; energetic; keen Window-dresser; brisk Counter; thoroughly capable of taking charge; 8 years last two situations; London or suburbs; disengaged when required. 137/33, Office of this Paper.

ASSISTANT; unqualified; 24; 9 years' experience, Dispensing, Window-dressing, and Counter; South preferred. 137/31, Office of this Paper.

BRANCH Manager; qualified; City and West-End experience; capable and active; well recommended; single; free one week; permanency. P.C.B. 35/39, Office of this Paper.

CAPABLE, with 20 years' all-round experience; courteous, obliging, trustworthy; well recommended; recent up-to-date references; permanency desirable; unqualified; disengaged. "R. B. F.," 286 Kingsland Road, London, E.8.

CHEMIST, qualified, 28, married, 5 ft. 10 in., Scotch training and experience, desiring change, Managership, invites inquiries; good salary; rooms advantage. "Primex," 127/34, Office of this Paper.

DISENGAGED Pharmacist (male); experienced; part or full time; moderate salary. "Pharmacist," 69 Elthorne Park Road, Hanwell, W.7.

DISENGAGED, qualified, experienced Pharmacist, Locum or permanency; accustomed rapid N.H.I. "Statim," 3 Rectory Road, Stoke Newington, N.

DISPENSER, male (extensive experience), having free afternoons, would, for nominal remuneration, assist Chemist or Doctor, East London. "R.," 67 Earlham Grove, E.7.

EGYPTIAN, 23, 5 ft. 8 in.; four years London; referred Pharmacy only; undeniable references. "Mattar," 2 Angell Road, Brixton.

SITUATIONS OPEN.

RETAIL.

[*HOME.*]

BIRMINGHAM.—Qualified Branch Manager required; must be competent Salesman, accurate Dispenser, and good Window-dresser. Apply with full particulars as to experience, salary required, and please state when free to commence. Hedges (Chemists), Ltd., Dale End, Birmingham.

CHELTENHAM.—Lloyd & King require young qualified Assistant (single), outdoor, principally for Front Counter. Please give full particulars, salary, references. Unanswered three days respectfully declined. H. B. Lloyd (marked "Private"), 109 High Street, Cheltenham.

DURHAM.—Thoroughly reliable Junior male Assistant wanted for good-class Dispensing and Counter; easy hours; no Sunday duty; state age, experience, salary, etc., and when disengaged; photo if convenient. Smith, Chemist, Durham.

EAST KENT.—Qualified Assistant, 25-30, required at once for Branch Business; good Counterman, Prescriber and Window-dresser; one seeking permanency preferred. Please state full particulars, with photo. "East Kent," 137/8, Office of this Paper.

LONDON, N.W.—Experienced Assistant required; good Salesman and reliable Dispensor, and one used to brisk business. Apply, giving full particulars and salary required, P.C.B. 35/36, Office of this Paper.

LONDON.—Assistant wanted by Hospital for Out-Patient work, Monday, Tuesday, Friday afternoon 2 to 7. State age, experience, salary required and references to the Pharmacist (P.C.B. 35/32), Office of this Paper.

LONDON SUBURB.—Capable Assistant for good-class business; qualification unnecessary; permanency required, therefore only really first-class men need apply, whose superior ability would be rewarded; smart appearance, pleasing manner at Counter and reliable Dispenser. Full experience required, 134/28, Office of this Paper.

MANCHESTER.—Qualified Manager required; must have good experience in brisk Retail and N.H.I. Dispensing, knowledge of Photography. Apply, with latest references, salary expected and full details, to 137/18, Office of this Paper.

MIDLANDS.—Qualified Branch Manager (male) for busy Dispensing business in industrial town. Apply, with further particulars, to Martyn's, Ltd., Chemists, Wolverhampton.

MIDLANDS.—Qualified Manager required to open a business in a suburban district; new premises, house attached; excellent opening for a smart young married man anxious to make progress. 137/131, Office of this Paper.

NEAR NEWCASTLE-ON-TYNE.—Chemist; elderly or partly disabled ex-soldier; qualified; abstainer; very light duties; easy hours. Apply, stating salary and age, "Chemist," c/o Wilson, Adams Co., 12 Westgate Hill Terrace, Newcastle-on-Tyne.

SOUTH COAST.—Wanted, Qualified Assistant (outdoors), with high-class experience, for Counter work; capable taking charge; no night or Sunday duties; age about 35. Please give fullest particulars of past experience, age, salary required. 138/7, Office of this Paper.

SOUTH KENSINGTON.—Junior Assistant (male), outdoors, required for high-class Dispensing and Retail business. State age, experience and salary required. Applications not answered in four days respectfully declined. 74/452, Office of this Paper.

WOLVERHAMPTON.—Wanted, immediately, qualified (male) Assistant with good personality and address for good-class business. State height, age, experience, when disengaged, and salary required (outdoors), enclosing photo if possible. Wright (late Oakley), 8 Lichfield Street, Wolverhampton.

ASSISTANT, qualified or unqualified, for good-class Pharmacy, N.E. England; experience, personality and address more necessary than qualification; good knowledge of D. and P. essential. Please give (in confidence) full particulars of age, height, experience, and salary; photo. J. B. Crnickshanks, 20 Bondgate, Darlington.

ASSISTANT (male), unqualified, quick and accurate Dispenser, with some knowledge of D. & P. work. Apply by letter only to the Manager, 741 Barking Road, Plaistow, E.13. Applications not answered in three days unsuitable.

BOOTS THE CHEMISTS have vacancies for experienced qualified Retail Chemist Assistants. Apply, by letter, to Boots Pure Drug Co., Ltd., Retail Staff Department, Station Street, Nottingham.

BRANCH Manager, qualified, London, S.E., suburb, immediately; must be 25-35; keen, progressive, good Counterman, Dispenser and worker, and possess undeniable references. Full particulars with salary, 136/36, Office of this Paper.

BRANCH Manager; middle-aged; must be energetic and good business builder; permanency. P.C.B. 35/34, Office of this Paper.

JUNIOR Assistant or Improver (male) required immediately; also Part-timers; previous experience essential. Apply, with fullest particulars of salary required, age, height, etc., The Prosser Roberts Co., 13 Church Street, Camberwell, S.E.

JUNIOR or Improver, used to quick Cash Counter trade; must be courteous and of good appearance and address. References, photo, and salary required in first letter. Griffith, Chemist, Hereford.

JUNIOR wanted at once for London suburban business. State age, height, and salary required. P.C.B. 29/35, Office of this Paper.

JUNIOR Assistant (male) wanted, about 21; must be accurate Dispenser, willing; opportunities for study and every consideration to suitable man; good references essential. State full particulars, age, experience, salary required, etc. 134/27, Office of this Paper.

JUNIOR or Improver (outdoors), male preferred, for good-class Family business. State full particulars, with salary required, etc., and when at liberty. Thorp, Pharmaceutical Chemist, West Byfleet, Surrey.

JUNIOR required immediately; age about 18-19; post would suit one just finished apprenticeship; outdoors. Particulars, photo, etc., to H. W. Herbert, 7 Woodthorpe Road, Ashford, Middlesex.

JUNIOR; single; outdoors; smart man; good experience; country business near Nottingham; suit Part I man; short hours; good diggings cheap; no Sunday or out of hours duty; references first letter, also photo if possible; state age. Cadge, Bingham.

LADY to take charge of Toilet Department; highest class experience essential; excellent position; progressive salary. State age, height, experience, salary, when disengaged in first letter, enclosing photo. Newsholme's, Ltd., Chemists, Toilet Specialists, High Street, Sheffield.

LEWIS & BURROWS have vacancies for a good qualified Assistant and an unqualified Junior. Apply 146 Holborn Bars, E.C.

LOCUM for week commencing November 23; qualified; references. Chas. Pratt, Chemist, Warwick.

MANAGER, Branch; Prescribing, Photographic and Fancy Goods knowledge. State age, experience and salary, photo returned. Victor Levy, 17 Roman Road, Middlesbrough.

QUALIFIED Manager wanted early in the New Year for branch in an industrial district of South Coast town; good Salesman and Prescriber; reliable, energetic man will receive satisfactory remuneration; house available. 127/40, Office of this Paper.

QUALIFIED Assistant (lady or gentleman). Full particulars, J. E. French, 128 High Street, Sittingbourne.

QUALIFIED Branch Manager required; must be good Salesman and Window-dresser; used to brisk suburban business. Apply, with full particulars, to Parkes Chemists, Ltd., 65 Harmood Street, N.W.1.

RELIABLE Assistant required for Dispensing and Counter. Full particulars to Frederick Liner, 156 King Street, Gt. Yarmouth.

SENIOR Assistant, capable of taking charge; qualified or unqualified; energetic, and good all-round Salesman. Please State age, salary, experience, when disengaged, and enclose copies of any testimonials. Pleasant accommodation available. Mills, Chemist, Mealhouse Brow, Stockport.

UNQUALIFIED Assistant Dispenser (lady) wanted for Doctor's Surgery in Mid-Kent. State experience, age and salary (living out), and enclose photograph. Address to 134/26, Office of this Paper.

UNQUALIFIED Assistant of good appearance and address; must be experienced at the Counter and a good Window-dresser; permanent and progressive post; Midlands city. 137/13, Office of this Paper.

W. ADAMS & SON, Pharmaceutical Chemists, Shrewsbury, require a Junior Assistant (outdoor); one who has had experience in a good-class business. Applicants are requested to give full particulars and state salary expected.

WANTED, a single, unqualified Assistant with good Dispensing experience; short hours; near London. 134/23, Office of this Paper.

WANTED, male Dispenser, preferably married, for firm of Doctors 20 miles from London; flat, unfurnished, with lighting and gas provided; Assistant Dispenser-Book-keeper kept. Apply, stating age, number in family, salary required, and enclosing copies of testimonials, 131/25, Office of this Paper.

WANTED, a smart, reliable, Qualified or Unqualified Man to manage a shop in the East End, with view of purchasing if they wish; wages £2 10s.; living accommodation, gas, light found. Address 137/38, Office of this Paper.

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This is an opportunity which seldom occurs, but is a very great opportunity for the right man.

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He must be willing to undergo three or six months' intensive study in the Advertiser's Laboratory and Factory in England, making himself thoroughly acquainted with the Manufacture and Packing of the Advertiser's specialities. At the end of that period we should expect him to know all our Chief Chemist knows, and all our Works Manager knows, about the Manufacturing and Packing of our products. The Chief Chemist buys the raw materials and makes the goods; the Works Manager takes the manufactured goods and packs them ready for the public. Both would give him every assistance.

At the end of that period he must be prepared to leave England for permanent residence Overseas (temperate climate), to select a vacant Factory, equip it with special machinery, buy all necessary raw materials and packing materials, and, finally, produce the goods in exactly the same way he has seen them produced in the Advertiser's English Laboratory.

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Easily we can find men with scientific and chemical training; also we can find men of sound business training. But what we want to find is a man who combines both to an extraordinary degree. For such a man this is an opportunity which does not come often in a lifetime.

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BUSINESSES FOR DISPOSAL.

CUMBERLAND (large industrial town).—Old-established and genuine Herbal Drug Stores in principal street; freehold property in good condition; could be sold or rented on lease; a real good opportunity for a Chemist-Optician; a genuine proposition. Particulars from A. S. Chamberlain, 76 Harvard Court, West Hampstead, London, N.W.6.

HAMPSHIRE (Near Coast).—Old-established Business must be sold; lock-up, double-fronted shop, with large room behind and 3 rooms in semi-basement; telephone, electric light, etc.; now doing very profitable turnover about £800, can easily be doubled by active man; growing neighbourhood; accept low price £600 for fixtures, fittings, modern stock and valuable lease 20 years at £36 per annum. 136/39, Office of this Paper.

HERTS.—An exceedingly profitable, better-class, genuine old-established business; Light Retail with some Prescribing; no National; best position in prosperous town; steadily increasing; returns about £4,000; large double-fronted shop; a thoroughly genuine offer; every investigation on receipt of bankers' reference. 138/5, Office of this Paper.

HOME COUNTY.—Unopposed Chemist's Business in growing neighbourhood, 8 miles St. Albans; main road; returns average £15 weekly; N.H.I., Prescribing, Kodak Agency; lock-up shop; living accommodation available adjoining; over 5 years' lease at £26 per annum; price £380 or near offer; would accept £330 cash, balance by arrangement, for quick sale. 137/22, Office of this Paper.

ISLE OF WIGHT.—High-class Chemist's Business, including Kodak Agency, etc.; modern premises; centre of High Street of rapidly rising seaside resort; unique opportunity to acquire genuine business and premises; strongly recommended. Morris, Auctioneers, Shanklin, I.W.

LONDON.—South of Thames, in good-class district. Old-established Family Business, with living accommodation, for disposal; returns, nearly £1,400 at excellent profits; splendid opportunity for lady or gentleman to acquire firmly-established concern on favourable terms; price, £900; stock can be reduced if required. Please address 136/38, Office of this Paper.

LONDON, E. (Suburb).—Dispensing and Family Business in main thoroughfare; genuine concern; cash returns, £3,200 per annum; gross profits, 40 per cent.; present stock, £1,000; fixtures worth £600; living accommodation; price, to include lease and goodwill, £2,500. 136/25, Office of this Paper.

LONDON, S.W.—Old-established Retail and Dispensing Business for Sale; returns nearly £4,000; double-fronted, well stocked shop, excellent house, outbuildings and garage, side and back entrance; main road position; long lease; moderate rent; owner retiring through ill-health; fullest investigation; principals only, with banker's reference. "Ancona," 136/37, Office of this Paper.

LONDON, W.—Profitable Light Cash Chemist's and Photo. Business for Sale in first-class residential suburb; handsomely fitted shop, with small living accommodation over, suitable for bachelor; turnover £1,350; wonderful opportunity for smart man; price for lease, 18½ years, goodwill, fixtures, fittings, and stock, £1,100. Poore & Mills, Auctioneers, 29 High Street, Peckham, S.E.15.

MANCHESTER.—For immediate sale, Drug Store in good locality; well stocked; splendid opening for N.H.I.; excellent living accommodation; electric light; well decorated; situated on main road; vendor's own property, or would rent same. 137/32, Office of this Paper.

NORTH-EAST COAST.—Business for sale in good position, main road, of popular health resort; a fine opportunity of acquiring a business without the necessity of purchasing the property; large, well-fitted shop, well stocked, long lease, low rent, showing good returns, with scope for increase. Particulars to bona-fide inquirers. 137/27, Office of this Paper.

SOUTH WALES.—Cash Retail, Dispensing, Optics, Photography, Veterinary, etc., Business; double-fronted shop, well fitted; large stock carried; situated in the best position of an important industrial town; residential accommodation; business and premises for sale. Further particulars apply "Rhei," c/o British Drug Houses or Southall Bros. & Barclay.

STAFFORDSHIRE.—Old-established Light Retail, with restricted Wine Licence; turnover, under indifferent management £1,800, including £240 N.H.I.; no Photographics or Optics, but opening for same; rent and rates £72; lease nine years; good living accommodation, or could be let off; price £1,450 or valuation terms. 137/39, Office of this Paper.

BUSINESS FOR SALE.—Owing to the death of the proprietor the exors. are anxious to dispose of the trade mark, rights, and stocks of a Proprietary line, Little Liver Pill; excellent trade mark and goods in fair demand. Replies to 74/447, Office of this Paper.

DRUG Store or Chemist's Business for Sale; main London road, Southend; nearest opposition one mile; thickly populated; rent moderate, long lease; lock-up shop, or living accommodation could be arranged; scope for N.H.I. and Photographic; an absolute gift to quick purchaser; stock about £150; no goodwill wanted. Write Mr. Smith, 157 London Road, Southend-on-Sea.

HIGH-CLASS Retail, in fashionable inland resort; returns £2,300; very finely fitted double-fronted shop; can be greatly increased by more personal attention; accounts audited; price about £1,700, or goodwill to be arranged, and stock and fixtures at valuation. 72/403, Office of this Paper.

OWNER, retiring end of December, offers established Retail Business for Sale in mixed neighbourhood, London Western suburb; returns this year £1,600; net profit £375; no Panel, which could be added; rent only £60; lease 9 years to run; good house accommodation; best position in neighbourhood; reasonable offer with cash accepted. "Seth," 131/24, Office of this Paper.

£125 ALL at, stock, fixtures, fittings, everything. Drug store, lock-up, in busy central thoroughfare; fine attractive shop, electric light, gas, water, etc.; takings £13, increasing weekly; in charge of young lady; could easily be doubled in qualified hands; health reasons for selling; this is a bargain seldom met with. For full particulars apply 74/448, Office of this Paper.

£250 SECURES stock and fixtures of well-fitted Chemist's Shop; stock as new; fittings, mahogany, include 20 ft. counter with glass cases to fit top, handsome wall case, 4 ft., two nests of drawers and dispensing screen, shop rounds, etc. 60 Cherry Orchard Road, Addiscombe.

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ADVERTISER desires to purchase a genuine Family and Dispensing Business, with Photographics, doing £30-£40 per week; no objection to neglected one doing less; living accommodation essential; long lease or mortgage; Northern Counties; cash up to £800. Reply, in perfect confidence, to "Durham," 134/18, Office of this Paper.

PARTNERSHIP.

PARTNERSHIP.—Manufacturing Chemists, established few years, with growing business, have vacancy for active Partner with commercial experience and able to introduce some capital. Apply, in writing, to Mann, Judd, Gordon & Co., C.A., 8 Frederick's Place, E.C.2.

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ABOUT 200 5-lb. and 7-lb. White Stopper Confectionery Jars for sale; offers wanted for collection in London district. 74/453, Office of this Paper.

FOR Sale, three Steam Jacketed Copper Boiling Pans and small Porcelain End Runner Mill. Write 74/445, Office of this Paper.

FOR Sale, Whisk or Emulsifier, about 9 gallons capacity, and also smaller ones, 4 gallons; also two small Tube Filling Machines. Write 74/444, Office of this Paper.

OL. Menth. Pip. Rect., a fine redistilled oil conforming to test of B.P., 1914, limited quantity only (one Winchester), 42s. per lb., including package postage; cash with order; sample bottle 6d., post paid. E. Gittins, M.P.S., 35 Livingstone Road, Birchfield, Birmingham.

YOUNGS' Filling Machine for Sale, suitable for health salts and other similar fillings; weighs from a fraction of an ounce up to 1 lb. Apply 69/310 Office of this Paper.

2-OZ. Bottles, 35 gross best white 4-sided concave flats; ideal for Toilet goods, 6s. 9d. gross in 7-gross cases. "Chemist," 47 Huddlestone Road, London, N.W.2.

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POLAND.—Well-known Polish concern is desirous of taking up the representation of first-class British firms manufacturing Alkaloids, Chemical Products, Petroleum Jelly, Photographic and X-ray Accessories, Films, Tinfoil, Raw Materials for different purposes, Cacao Beans, etc. Write to Joseph Ebin, Stokrzyska Street 35, Warsaw, Poland.

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WALLINGTON (Main Road).—Shop and Dwelling-house of 6 rooms; suitable Chemist, Draper, Jeweller and other trades; vacant; £1,300; freehold. Call and inspect. Rason, Manor Estate Office, Wallington.

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MANAGER required for Limited Company ontside London; house accommodation; able to take financial interest, not less than £400 or £500, with prospect of taking over whole concern; highest references essential. 138/15, Office of this Paper.

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MIDLANDS (SOUTH-WEST).—High-class Business, with returns of £6,000 per annum; accounts must be available and cash awaits vendor.

BUSINESSES FOR DISPOSAL.

1.—NORFOLK.—Agricultural, General Retail and Dispensing Business; premises consist of double-fronted shop and office, large yard and storage; good dwelling accommodation; side entrance; lease, 15 years, at £80 per annum; option to purchase freehold at reasonable figure; conveniently fitted and well stocked; returns approximately £2,500; scope for increase. Fullest particulars on application. (25)

2.—SOUTH WALES.—Cash Retail Business in main street of good town; lease of 7 years at rental of £50 p.a.; returns, £30 p.w.; premises consist of good shop and five rooms, one of which is fitted as dark room and one as optical room; stock approximately £500; valuation terms. (23)

3.—S. DEVON.—Good-class ready-money Business in important town; returns, £30 p.w.; Kodak, N.H.I., etc.; double-fronted shop, with 8-roomed house; price, including freehold property, £2,600. (14)

4.—SOUTH DEVON.—Very old-established Business in residential district of busy town; returns, £34 p.w.; rent, £90; lease to be arranged; double-fronted, well-fitted shop and house with 7 rooms; side entrance, store, etc.; price £1,450. (15)

5.—SOUTH COAST (Health Resort).—Good-class Chemist and Druggist, in best part of the town; new building; attractive shop fitted in oak; returns, about £35 p.w.; Kodak, N.H.I., etc.; dwelling accommodation with separate entrance; price £1,500—property could be acquired. Fuller particulars on application. (16)

6.—YORKS.—Cash Business, in main road, in important industrial town; 5 years' lease will be granted at £90 to £120 per annum; returns, £30 per week; Kodak Agency; dwelling accommodation; price, goodwill, £450; stock, fixtures at valuation. (17)

7.—LONDON, S.W.—Family Retail High-class Dispensing Business; well fitted and good stock carried; established 30 years; premises consist of lock-up shop, held on lease 14 years at £80 per annum; last year's returns, £2,500; scope for increase. Fullest particulars on application. (18)

8.—SOUTH COAST RESORT.—Cash Retail and Dispensing Business, situated on main road; premises consist of large lock-up shop, held on lease, 19 years to run at £170 per annum; handsomely fitted and good, saleable stock carried; returns, £2,000; scope for increase; price, £2,000 or near offer. Full particulars on application. (19)

9.—BUCKS.—Cash Retail Business, recently established; lock-up shop premises, situated on main road; nearest opposition 3 miles; held on tenancy agreement at 8s. per week; returns average £19 per week; excellent scope. Fullest particulars on application. (20)

10.—LANCS.—Small Drug Stores; lock-up shop with room at rear; rent, 13s. 6d. per week, including gas; established 2 years; returns, £8 per week; can be considerably increased. Full particulars on application. (21)

11.—GLAMORGANSHIRE.—Cash Retail and Dispensing Business. Premises consist of lock-up shop, with room at rear. Held on lease, 4 years to run, at £50 p.a. Established 20 years. Well fitted, good stock carried. Reason for disposal ill health. Full particulars on application. (22)

12.—LEEDS.—Retail Cash Dispensing Business, established 12 years; premises consist of shop and room at rear, two bedrooms above; lease, 5 years, at £28 5s. per annum; conveniently fitted and well stocked; returns, £1,905; price for quick disposal, £820.

13.—BRIGHTON.—Cash Drug Stores; 13 years' lease; lock-up shop; rent, £52 p.a. inclusive; electric light; good stock and well fitted; good scope for qualified man; reasonable offer accepted for quick sale.

14.—SURREY.—Good Stock and Fixtures of Retail Drug Stores for immediate disposal and removal. May be viewed at any time; particulars on application.

15.—SURREY.—For immediate disposal, Drug Stores; established 20 years; double-fronted shop with convenient dwelling accommodation; well fitted and stocked; lease will be granted at rental of £78 p.a.; returns, £1,000 p.a.; all ready money; great scope for qualified man; £900, or near offer.

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3.—MIDLANDS (Health Resort).—High-class Retail and Dispensing Business, entirely under management; returns, £2,250; gross profits, £900; plenty of scope; low rent; good position; price, £300 and valuation, in all about £1,600.

4.—YORKS.—Cash Retail and Prescribing, with N.H.I., in good position; returns, £35 a week; good profits; low rent; well-stocked shop; every investigation courted; price, £865.

5.—SOUTH COAST.—Good-class Drug Store; returns, £15 a week; fine chance for qualified; no near opposition; low expenses; stock worth £300; price for quick sale £250, plus stock at valuation.

6.—LONDON, N. (Busy Main Road).—Light Cash Retail with N.H.I.; returns, £1,620; net profit over £500 clear; house attached; fully stocked; price, about £1,250; worth attention.

7.—LONDON, S.W.—Profitable Cash Retail, with Kodak Agency; returns, over £1,300; very low rent; valuable lease; house attached; valuation terms arranged; in all about £900; worth attention.

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THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST. LONDON E.C.4

NOVEMBER 7, 1925.

This Supplement is inserted in every copy of The Chemist & Druggist.

THE CHEMIST AND DRUGGIST SUPPLEMENT

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Businesses Wanted and for Disposal, Premises to Let, Goods for Sale, and Agencies—6/- for 50 words; every additional 10 words or less, 6d.

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3.—STREATHAM (Near).—General Retail Business, with excellent opening for N.H.I.; very old-established; returns, between £800 and £900 per annum; net profit, £250; small house and garden; low rent; price £500.

4.—LONDON, S.W.—General Retail and Photographic Business; returns for last few months average £54 weekly at good prices; single-fronted shop; well-fitted; good working stock; moderate rent; long lease; offers invited.

5.—YORKSHIRE (Large Town).—Ready-money Business, with large Panel; returns approach £2,000, at good prices; stock alone valued at about £600; rent, £28; new lease if required; price £900.

6.—NORTH WALES.—Unopposed Pharmacy in charming village; returns between £750 and £800, under the management of a lady; lock-up shop; electric light; scope for considerable increase to anyone understanding agricultural trade; price £350.

7.—MIDLANDS.—Family Retail Business, established 1890; returns, £2,259, with gross profit £900; double-fronted shop, handsomely fitted and heavily stocked; rent, £85; held on lease; terms, lease and goodwill, £300, plus the value of stock and fixtures.

8.—NORTHERN HEALTH RESORT.—Middle-class Retail and Dispensing Business, with Photographic; returns exceed £1,300 per annum; net profit, £350; large double-fronted shop; rent, £60 yearly; held on lease; price, £1,250.

9.—BANKS OF THE THAMES.—Good-class Cash Retail and Photographic Business; very old-established; returns, £1,550; net profit, £450; double-fronted shop; very well fitted and stocked; splendid house; large garden; held on lease at moderate rental; price to be arranged.

10.—CO. DURHAM (Death Vacancy).—Family Retail and Dispensing Business for disposal owing to sudden death of Proprietor; returns, average £2,500, at good prices; lock-up pharmacy; new lease will be granted; valuation terms entertained.

11.—WESTERN COUNTY.—Cash Retail Business, situate in busy shopping thoroughfare; returns, under management for current year will be approximately £3,000, increasing; net profit, after allowing manager's salary, £600; double-fronted shop, fitted in oak; heavily stocked; good house; rent, £60; offers invited.

12.—SOUTH COAST.—General Retail Business with Photographic and N.H.I. Dispensing; returns, last year, £2,518; double-fronted shop; stock and fixtures estimated at £1,300 to £1,400; new lease will be granted, or freehold may be purchased; further details on application.

13.—NORTH-WEST COAST.—General Retail, Dispensing and Photographic Business; present hands 26 years; returns approach £1,200, under management; scope for increase; well-fitted pharmacy; rent £30; good house for sale also; illness cause of sale; further details on application.

14.—YORKS.—General Retail and Dispensing, with Kodak Agency; returns, £1,800, at good prices; large double-fronted shop in main road; living accommodation; held on lease; price, about £1,000.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes confusion and loss.

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